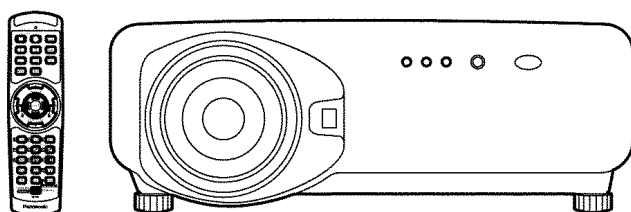


Service Manual

DLP™ Based Projector

PT-D7700U

PT-D7700E



Panasonic

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The service technician is required to read and follow the "Safety Precautions" and "Important Safety Notice" in this service manual.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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- Patent No. 5,717,422

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CAUTION

Lithium Battery

Risk of explosion if battery is replaced by an incorrect type. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

(See also Operating Instructions.)

Precaution

If using of this projector at high elevations (above 1 400 m), set FAN CONTROL to HIGH.

Failure to observe this may cause malfunctions.

Never use this projector at an elevation of 2 700 m or higher.

Using this projector at high elevations, consult your dealer or Authorized Service Center about preparations.

About lead free solder (PbF)

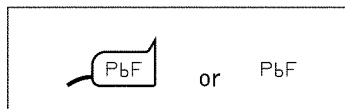
This projector is using the P.C.Board which applies lead free solder. The use of lead free solder is recommended from the standpoint of antipollution for the global environment in service.

Notes:

- Lead free solder: Sn-Ag-Cu (tin, silver and copper) has a higher melting point (approx. 217°C) than standard solder. Typically, the melting point is 30°C to 40°C higher. When servicing, use a high temperature soldering iron with temperature limitation function and set it to 370±10°C.
- Be precautionous about lead free solder: Sn-Ag-Cu (tin, silver and copper) will tend to splash when heated too high (approx. 600°C or higher).
- Use lead free solder for the P.C.Board (specified on it as "PbF") which uses lead free solder. (When you unavoidably use lead solder, use lead solder after removing lead free solder. Or be sure to heat the lead free solder until it melts completely, before applying lead solder.)
- After soldering to double layered P.C.Boards, check the component side for excess solder which may flow onto the opposite side.

About the identification of the lead free solder P.C.Board

For the P.C.Board which applies lead free solder, the symbol as shown in the figure below is printed or stamped on the surface or the back of P.C.Board.



For US

IMPORTANT SAFETY NOTICE

There are special parts used in Panasonic LCD Projectors which are important for safety. These parts are shaded on the schematic diagram. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of PANASONIC BROADCAST & TELEVISION SYSTEMS COMPANY.

WARNING:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Any unauthorized changes or modifications to this equipment will void the users authority to operate.

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1 Safety Precautions

1.1. General Guidelines

- For continued safety, no modification of any circuit must be attempted.
- Unplug the power cord from the power outlet before disassembling this projector.
- It is advisable to use an isolation transformer in the AC power line before the service.
- Observe the original lead dress during the service. If a short circuit is found, replace all the parts overheated or damaged by the short circuit.
- After the service, all the protective devices such as insulation barriers, insulation papers, shields, and isolation R-C combinations must be properly installed.
- After the service, check the leakage current to prevent the customer from getting an electric shock.

1.2. Leakage Current Check

1. Prepare the measuring circuit as shown in Fig.1.

Be sure to use a voltmeter having the performance described in Table 1.

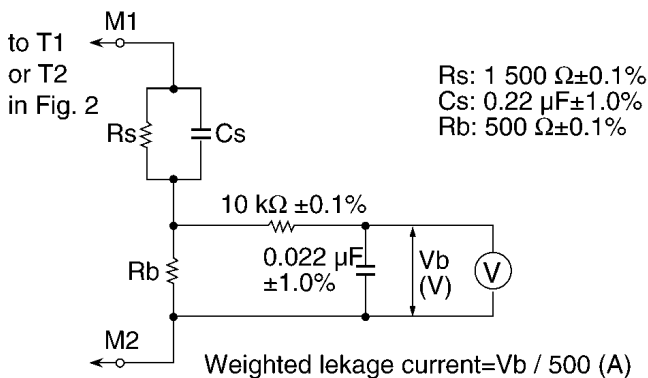


Fig. 1

	Performance
Voltmeter (rms reading)	Accuracy: $\leq 2\%$
	Input resistance: $\geq 1 \text{ M}\Omega$
	Input capacitance: $\leq 200 \text{ pF}$
	Frequency range: 15 Hz to 1 MHz

Table 1

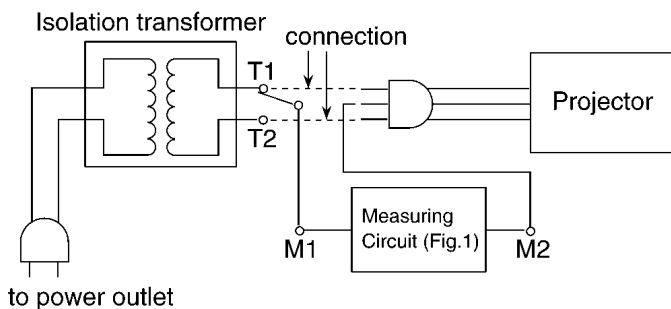


Fig. 2

2. Assemble the circuit as shown in Fig. 2. Plug the power cord in a power outlet.

3. Connect M1 to T1 according to Fig. 2 and measure the voltage.
4. Change the connection of M1 from T1 to T2 and measure the voltage again.
5. The voltmeter must read 0.375 V or lower in both of steps 3 and 4. This means that the current must be 0.75 mA or less.
6. If the reading is out of the above standard, the projector must be repaired and rechecked before returning to the customer because of a possibility of an electric shock.

2 Specifications

Model No.	PT-D7700U	PT-D7700E
Power supply	AC 120 V, 50 Hz/60 Hz	AC 220 V-240 V, 50 Hz/60 Hz
Power consumption	800 W (about 12 W in standby without fan running)	800 W (about 15 W in standby without fan running)
DLP™ panel Panel size Display system Number of pixels	0.95 inch (aspect ratio 4:3) Three-unit DMD™ element, DLP type 3 x 1 470 000 pixels (1 400 x 1 050 dots)	
Lens Powered zoom Powered focus control	Option	
Projection lamp	2 bulbs x 300 W UHM lamp	
Optical output	7 000 lm	
Applicable scanning frequency For video signal (S-video included) For RGB signal For DVI-D signal For YPBPR signal	Horizontally 15.73 kHz/15.63 kHz, vertically 59.94 Hz/50 Hz Horizontally 15 kHz—100 kHz, vertically 24 kHz—120 kHz, Panasonic Intelligent Auto Scanning (PIAS) system Dot clock frequency 20 MHz—162 MHz (When DVI module (optional item) is mounted) VGA—S-XGA Dot clock frequency 25 MHz—112 MHz [480i], horizontally 15.73 kHz, vertically 59.94 Hz [480p], horizontally 31.5 kHz, vertically 59.94 Hz [576i], horizontally 15.63 kHz, vertically 50 Hz [576p], horizontally 31.25 kHz, vertically 50 Hz [720/60p], horizontally 45 kHz, vertically 60 Hz [1035/60i], horizontally 33.75 kHz, vertically 60 Hz [1080/60i], horizontally 33.75 kHz, vertically 60 Hz [1080/50i], horizontally 28.13 kHz, vertically 50 Hz [1080/24p], horizontally 27 kHz, vertically 24 Hz [1080/30p], horizontally 33.75 kHz, vertically 30 Hz [1080/25p], horizontally 28.13 kHz, vertically 25 Hz [1080/24sF], horizontally 27 kHz, vertically 48 Hz ※ HD/SYNC, VD terminals are not compliant with 3 value composite SYNC.	
Colour system	7 standards (NTSC/NTSC4.43/PAL/PAN-N/PAL-M/SECAM/PAL60)	
Screen size	70 inch—600 inch	
Screen aspect ratio	4:3	
Projection scheme	Menu-selectable from front/rear/ceiling mount, and floor standing	
Contrast ratio	4 000:1 (when "DYNAMIC IRIS" has been set to "3")	
Interface ports Input module connection slot RGB1 input terminal	One system of input module connection slot 1 set, BNC x 5 [For YPBPR input] Y: 1.0 V[p-p] synchronization signal included, PBPR: 0.7 V[p-p] 75 Ω For G-SYNC: 1.0 V[p-p] 75 Ω HD/SYNC: 75 Ω, 1.4—5 Vp-p, positive/negative polarity automatically adjusted VD: 75 Ω, 1.4—5 Vp-p, positive/negative polarity automatically adjusted [For RGB input] 0.7 V[p-p] 75 Ω	

Interface ports RGB2 input terminal Video input/output terminal S-video input terminal Serial input/output terminal Remote1 input/output terminal Remote2 terminal	1 set of high-density, D-sub 15p (female) [For YPBPR input] Y: 1.0 V [p-p] synchronization signal included, PBPR: 0.7 V[p-p] 75 Ω [For RGB input] 0.7 V[p-p] 75 Ω For G-SYNC: 1.0 V[p-p] 75 Ω HD/SYNC: TTL, high-impedance, positive/negative polarity automatically adjusted VD: TTL, high-impedance, positive/negative polarity automatically adjusted • However, HD/SYNC, and VD terminals are not compliant with 3-value direct SYNC.
	1 set BNC
	1.0 V[p-p] 75 Ω (Active through for Video output)
	1 set Mini DIN 4p
	Y 1.0 V[p-p] C 0.286 V[p-p] 75 Ω Compliant with S1 signals
	D-sub 9-pin (female), RS-232C compliant Used for personal computer control
Length of power supply cord Cabinet Outside dimensions Mass	2.5 m (8.2') Molded resin Width: 530 mm (20.8"); Height : 200 mm (7.9"); Depth: 569 mm (22.4") 22 kg (48 lb) (without lens)
	* 1. Ambient temperature: 0 to 40°C for setting of lamp output at [LOW] and lamp selection at [DUAL, LAMP 1, LAMP 2 or SINGLE] 0 to 35°C for setting of lamp output at [HIGH] and lamp selection at [DUAL] Ambient humidity: 10 to 80% (no condensation)
Remote control Power source Operation range Mass Outside dimensions	3 V DC (two AA dry cells) approx. 7 m/23' (in front of beam receiver) 110 g (0.24 lb) (including dry cells) Width: 50 mm (1.9"), Thickness: 31 mm (1.2"), Depth: 181 mm (7.1")
	Option Hanging attachment (For high ceiling) : ET-PKD75 Hanging attachment (For low ceiling) : ET-PKD75S Dual attachment : ET-DFD75 Carrying handle : ET-HAD75 Projection lens : ET-D75LE1, ET-D75LE2, ET-D75LE3, ET-D75LE4, ET-D75LE5 DVI-D input module : ET-MD75DV Network module : ET-MD75NT Video signal input module : ET-MD95VM2 RGB signal input module : ET-MD95RGB Serial digital input module (SD) : ET-MD95SD1 Serial digital input module (480p) : ET-MD95SD2 Serial digital input module (HD) : ET-MD95SD3 Replacement lamp unit : ET-LAD7700 (single bulb), ET-LAD7700W (double bulbs) Long-life lamp unit : ET-LAD7700L (single bulb), ET-LAD7700LW (double bulbs) Wireless mouse receiver : ET-RMRC2

* 1. If the projector is used at high altitude (1 400 to 2 700 m), the value for allowable ambient temperature should be lowered by 5°C.

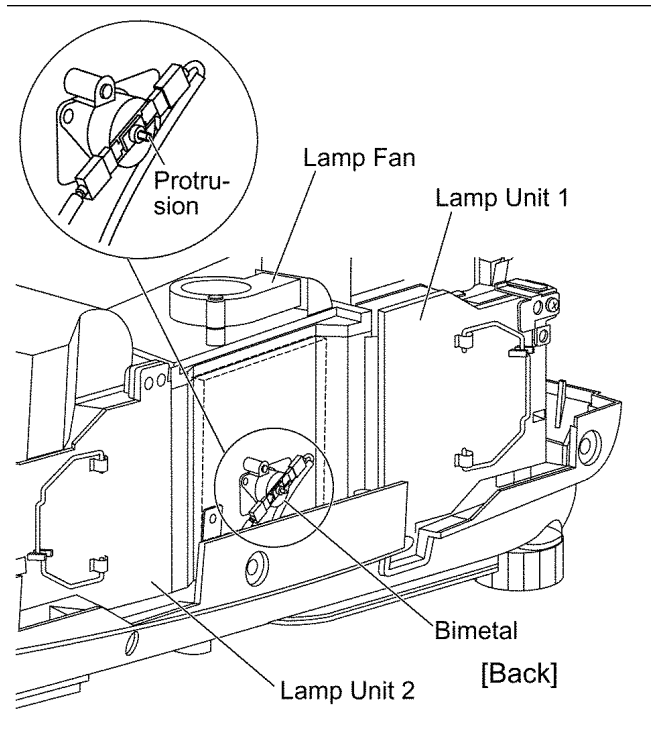
3 Function for Safety

3.1. Temperature Detection inside the Lamp Unit

This projector has a bimetal contacting the lamp units to protect the lamps.

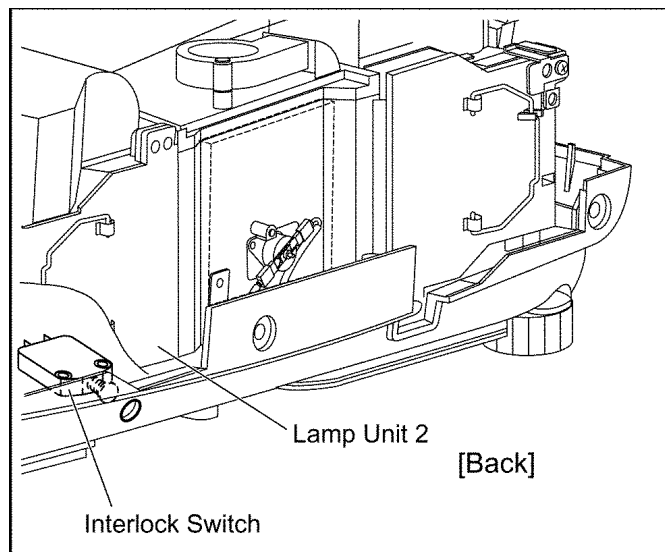
If the temperature of one of the lamp units exceeds 135 °C, the bimetal will operate to turn off the power. The installed position of the bimetal is shown in the illustration at right.

To reset the bimetal action, press the protrusion of the bimetal until you feel a click.



3.2. Interlock Switch

To ensure safety, this projector is designed so that the power cannot be turned on when the rear cover is removed or installed incorrectly. If removing the rear cover during operation, the power will be turned off.

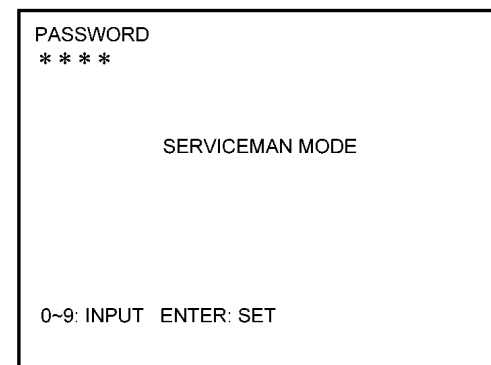
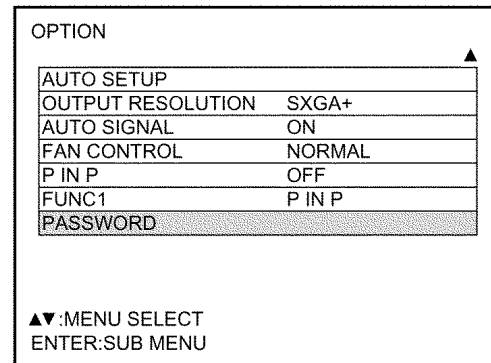


4 Serviceman Mode

This mode is used to narrow down the location of the failure.

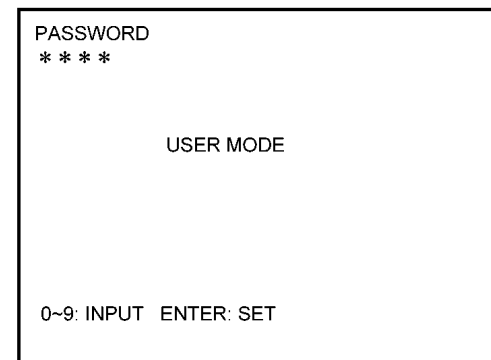
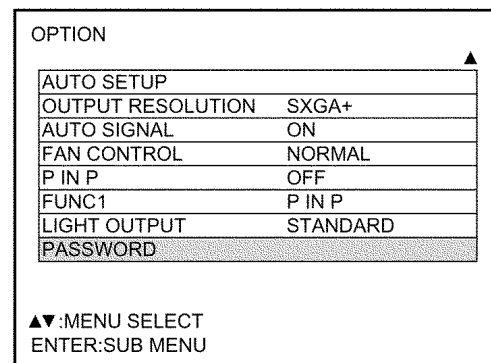
4.1. Setting to Serviceman Mode

- (1) Press the MENU button.
The MENU screen will appear.
- (2) Select "OPTION" using the ▲ or ▼ buttons and press the ENTER button.
The OPTION screen will appear.
- (3) Select "PASSWORD" using the ▲ or ▼ buttons and press the ENTER button.
The PASSWORD screen will appear.
- (4) Set the operation mode selector (Computer/Numeric, Projector) switch to "Computer/Numeric" on the remote control unit and input the password "1565".
" * " (asterisk) will appear for the password numbers.
- (5) Set the operation mode selector (Computer/Numeric, Projector) switch to "Projector" on the remote control unit and press the ENTER button.
The words "SERVICEMAN MODE" will appear.



4.2. Resetting to User Mode

- (1) Select "PASSWORD" on the OPTION screen using the ▲ or ▼ buttons and press the ENTER button.
The PASSWORD screen will appear.
- (2) Set the operation mode selector (Computer/Numeric, Projector) switch to "Computer/Numeric" on the remote control unit and input the password "0000".
" * " (asterisk) will appear for the password numbers.
- (3) Set the operation mode selector (Computer/Numeric, Projector) switch to "Projector" on the remote control unit and press the ENTER button.
The words "USER MODE" will appear.



4.3. Functions in Serviceman Mode

This projector has functions such as image cutoff and deletion of registered signals by one operation.

[VIDEO menu]

SDI COLOR SELECT

Sets the using mode of the color-difference information in ET-MD95SD2 480P dual link ("MAIN" only or both "MAIN" and "SUB").

AD LPF

Sets the low pass filter.

[ADVANCED menu]

PLL Setting

Sets VCO and the charge pump.

Frame Lock

Sets the frame lock.

V Mask

Sets the V mask.

[EXTRA OPTION menu]

Cut off

Sets the display on or off for each color (red, green, and blue).

Deletion of Input Signals

Deletes all the registered signals.

REMOTE 2 Setting

Sets the functions of the REMOTE 2 terminal.

1:

	Function	OPEN	SHORT
1	GND	—	—
2	Power supply	off	on
3	RGB1	other	RGB1
4	RGB2	other	RGB2
5	VIDEO	other	VIDEO
6	S-VIDEO	other	S-VIDEO
7	AUX	other	AUX
8	Shutter	off	on
9	REMOTE 2 selection	disable	enable

2:

	Function	OPEN	SHORT
1	GND	—	GND
2	Power supply	off	on
3	RGB1	other	RGB1
4	RGB2	other	RGB2
5	VIDEO	other	VIDEO
6	S-VIDEO	other	S-VIDEO
7	AUX (LINE)	other	AUX(LINE)
8	AUX (Y/C)	other	AUX(Y/C)
9	REMOTE 2 selection	disable	enable

- When using the contact control and an optional signal selector in combination, set the pins "No. 3, 4, 5, 6, and 7" of the REMOTE 2 terminal to OPEN. (When REMOTE 2 Setting is "2", set the pins "No. 3, 4, 5, 6, 7, and 8" of the REMOTE 2 terminal to OPEN.)
- When AUX is ET-MD95VM2, the LINE and Y/C selection is set to the last selected condition.

Gamma Selection

Sets the selectable modes of gamma on the VIDEO menu.

STANDARD: You can select the following 5 modes.

"2.2", "2.5", "DEFAULT", "USER 1" and "USER 2"

ALL: You can select the following 13 modes.

"1.0", "1.8", "2.0", "2.2", "2.3", "2.4", "2.5", "2.7", "DEFAULT", "USER 1", "USER 2", "USER 3" and "USER 4"

Fan Full Mode

OFF: Controls the fan speed according to temperature and lamp modes.

ON: Sets the intake fan to the full speed to cool best the power supply and DMD prism, but increases fan noise. At this time, you cannot select "FAN CONTROL" on the OPTION menu.

Caution:

This mode is for a special usage, usually use it in OFF condition.

Lamp Switching Mute

OFF: Keeps projecting the picture even when switching the lamps.

ON: Stops projecting the picture when switching the lamps.

* If setting to OFF, the picture may be unstable when switching the lamps.

Lamp Relay

"1h", "2h", "3h", "4h" --- "12h":

Turns on lamp1 or lamp 2 alternatively at a selected time interval (1 - 12 hours) when setting the lamp selection to SINGLE.

note:

Use this mode to operate the projector for a long time continuously.

OFF: Stops switching lamp1 and lamp 2.

Power ON Shutter

Open: Opens the shutter when power ON.

Close: Closes the shutter when power ON.

Power OFF Shutter

Open: Opens the shutter when power OFF.

Close: Closes the shutter when power OFF.

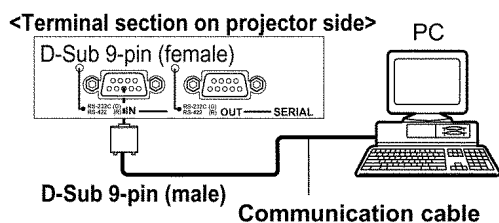
Disregard: Does not control the shutter when power OFF.

5 Using the Serial Terminals

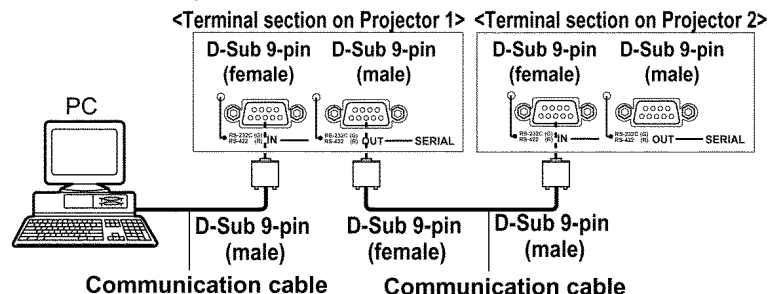
The main unit is equipped with SERIAL terminals located in its terminal section on the side, and this terminal is compliant with RS-232C. Also a serial output terminal is provided to enable plural projector control.

5.1. Examples of Connection

• Single projector

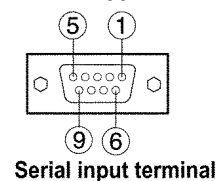


• Plural projectors



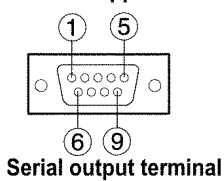
5.2. Pin Assignments and Signal Names

D-Sub 9-pin (female), external appearance



Pin No.	Signal name	Description
①		NC
②	TXD	Send data
③	RXD	Receive data
④		Connected internally
⑤	GND	Ground
⑥		NC
⑦	CTS	Connected internally
⑧	RTS	Connected internally
⑨		NC

D-Sub 9-pin (male), external appearance



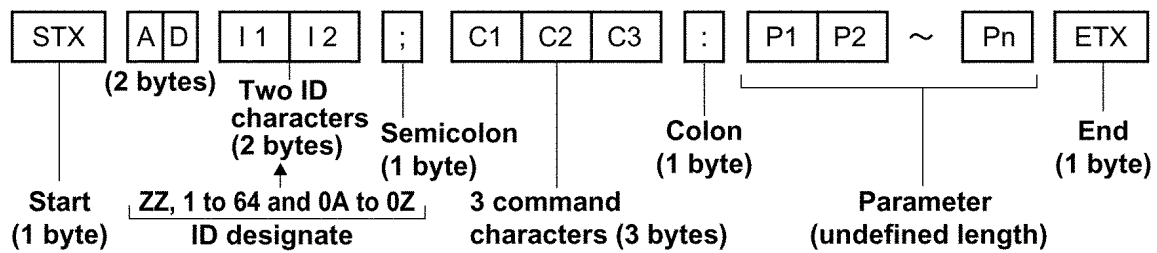
Pin No.	Signal name	Description
①		NC
②	RXD	Receive data
③	TXD	Send data
④		NC
⑤	GND	Ground
⑥		NC
⑦	RTS	Connected internally
⑧	CTS	Connected internally
⑨		NC

5.3. Communication Conditions (Factory Setting)

Signal level	RS-232C-compliant
Synchronization method	Start-stop synchronization
Baud rate	9 600bps
Parity	None
Character length	8 bits
Stop bit	1 bit
X parameter	None
S parameter	None

5.4. Basic Format

Transmission from the computer begins with STX, then the ID, command, parameter, and ETX are sent in this order. Add parameters according to the details of control.



Attention

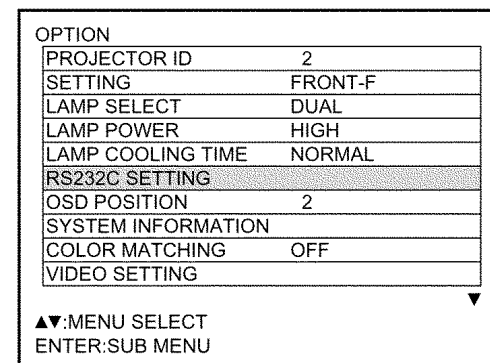
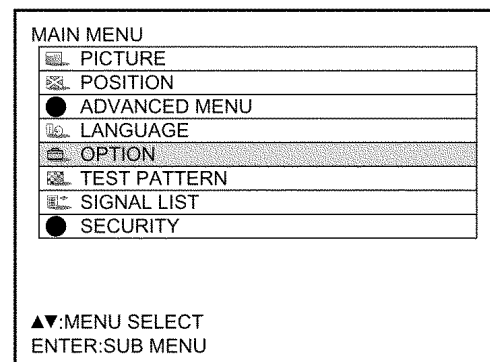
- No command can be sent or received for 10 to 60 seconds after the lamp starts lighting. Try sending any command after that period has elapsed.
- When sending several commands, be sure to wait for a response from the projector before sending the next command. When sending commands without parameters, a colon (:) is not necessary.

Note

- If a wrong command parameter is sent, the projector will send an "ER401" or "ER402" command to the computer.
- A projector ID supported on the RS-232C interface is ZZ (ALL) and a group of 1 to 64 and 0A to 0Z.
- If a command is sent with a projector ID specified, the projector will respond to the computer only in the following cases:
If it coincides with the projector ID,
ID specification is ALL and VPS-SYSTEM is the master, or
ID specification is group and Group is the master.

5.5. Procedure of Communication Condition Settings

- (1) Press the MENU button.
The MAIN MENU screen will be displayed.
- (2) Press the ▲ and ▼ buttons to select "OPTION".
- (3) Press the ENTER button.
- (4) Press the ▲ and ▼ buttons to select "RS232C SETTING".



- (5) Press the ENTER button.
The RS232C SETTING screen will be displayed.
- (6) Press the ▲ and ▼ buttons to select communication conditions.
- (7) Press the ◀ and ▶ buttons to confirm the setting..
- (8) Press the MENU button three times.
The on-screen indications disappear, and the system returns to the normal screen.

RS232C SETTING

(IN) BAUDRATE	38400
(IN) PARITY	EVEN
(OUT) BAUDRATE	38400
(OUT) PARITY	EVEN
VPS SYSTEM	MASTER
GROUP	A
	MASTER
SIGNAL SELECTOR	OFF

▲▼:MENU SELECT

◀▶:CHANGE

5.6. Control commands

5.6.1. Input Commands

Items	Commands:Parameters	Functions	Callback	Remarks
POWER	PON	POWER ON	PON	
	POF	STAND-BY	POF	
FREEZE	OFZ:0	FREEZE key	OFZ:0	
	OFZ:1	0=OFF 1=ON	OFZ:1	
MENU	OMN	MENU key	OMN	
ENTER	OEN	ENTER key	OEN	
CURSOR	OCU	UP key	OCU	
	OCD	DOWN key	OCD	
	OCL	LEFT key	OCL	
	OCR	RIGHT key	OCR	
STANDARD	OST	STANDARD key	OST	
AUTO SETUP	OAS	AUTO SETUP execution	OAS	
SHUTTER	OSH:0	SHUTTER key	OSH:0	
	OSH:1	0=OFF 1=ON	OSH:1	
INPUT SELECT	IIS:RG1	RGB1	IIS:RG1	
	IIS:RG2	RGB2	IIS:RG2	
	IIS:VID	VIDEO	IIS:VID	
	IIS:SVD	S-VIDEO	IIS:SVD	
	IIS:AUX	AUX	IIS:AUX	
FUNCTION1	FC1	FUNCTION execution	FC1	
TEST	OTS:p1p2	Test pattern selection	OTS:p1p2	
		00=OFF 01=White picture 02=Black picture 03=Flag		
		04=Flag inversion 05=1% Window		
		06=1% Window inversion 07=Focus 08=Colorbar		
ON SCREEN	OOS:0	OSD selection	OOS:0	
	OOS:1	0= OSD OFF 1=OSD ON	OOS:1	
NEXT	ONX	NEXT key	ONX	
NUMBER KEY	ONK:0	NUMBER key 0	ONK:0	
	ONK:1	NUMBER key 1	ONK:1	
	ONK:2	NUMBER key 2	ONK:2	
	ONK:3	NUMBER key 3	ONK:3	
	ONK:4	NUMBER key 4	ONK:4	
	ONK:5	NUMBER key 5	ONK:5	
	ONK:6	NUMBER key 6	ONK:6	
	ONK:7	NUMBER key 7	ONK:7	
	ONK:8	NUMBER key 8	ONK:8	
	ONK:9	NUMBER key 9	ONK:9	
SYSTEM SEL	OSL	SYSTEM SELECTER key	OSL	

5.6.2. Data setting Commands

Items	Commands:Parameters	Functions	Callback	Remarks
ID SET	RIS:p1p2	Projector ID setting	RIS:p1p2	*1
INSTALLATION	OIL:0	Front/Floor	OIL:0	
	OIL:1	Rear/Floor	OIL:1	
	OIL:2	Front/Ceiling	OIL:2	
	OIL:3	Rear/Ceiling	OIL:3	
LAMP SELECT	LPM:0	Lamp selection	LPM:0	*2
	LPM:1	0=DUAL 1=SINGLE	LPM:1	
	LPM:2	2=LAMP1 3=LAMP2	LPM:2	
	LPM:3		LPM:3	

Items	Commands:Parameters	Functions	Callback	Remarks
LAMP POWER	OLP:0	LAMP POWER setting	OLP:0	
	OLP:1	0=HIGH 1=LOW	OLP:1	
SUB MEMORY	OCS:p1p2	SUB MEMORY switching	OCS:p1p2	*1
SET DATE	TSD:y1y2y3y4m1m2d1d2w	Date setting	TSD:y1y2y3y4m1m2d1d2w	y1y2y3y4m1m2d1d2 + a day of the week (Mon.=1 Tues.=2 --- Sun.=7) *3
SET TIME	TST:h1h2m1m2s1s2	Time setting	TST:h1h2m1m2s1s2	*3

*1 The input of p1p2 accepts any of the types +1, +01, 1 and 01.

*2 In the SINGLE mode, one of lamp 1 and lamp 2 whose remainder time is longer is turned ON.

*3 Displays of SET DATE and SET TIME are set by UTC (Coordinated Universal Time).

5.6.3. Inquiry Commands

Items	Commands:Parameters	Functions	Callback	Interpretation	Remarks
POWER CONDITION	QPW	Inquiry about power	000	OFF	
			001	ON	
FREEZE	QFZ	Inquiry about freeze	0	OFF	
			1	ON	
SHUTTER	QSH	Inquiry about shutter	0	OFF	
			1	ON	
AUTO SETUP	QAS	Inquiry about auto setup	0	In Process	
			1	In Stop	
INPUT SIGNAL	QIN	Inquiry about input channel	RG1	RGB-1	
			RG2	RGB-2	
			VID	VIDEO	
			SVD	S-VIDEO	
			AUX	AUX	
TEST	QTS	Inquiry about test pattern	p1p2		
ON SCREEN	QOS	Inquiry about on screen display	0	off	
			1	on	
PICTURE MODE	QPM	Inquiry about picture mode	NAT	NATURAL	
			STD	STANDARD	
			DYN	DYNAMIC	
			CIN	CINEMA	
			GRA	GRAPHIC	
			USR	USER	
COLOR	QVC	Inquiry about color	p1p2p3		
TINT	QVT	Inquiry about tint	p1p2p3		
COLOR TEMP.	QTE	Inquiry about color temperature	0	LOW	
			1	MIDDLE	
			2	HIGH	
			4	USER1	
			9	USER2	
			10	DEFAULT	
WHITE BALANCE LOW(R)	QOR	Inquiry about white balance low (R)	p1p2p3		
WHITE BALANCE LOW(G)	QOG	Inquiry about white balance low (G)	p1p2p3		
WHITE BALANCE LOW(B)	QOB	Inquiry about white balance low (B)	p1p2p3		
WHITE BALANCE HI(R)	QHR	Inquiry about white balance high (R)	p1p2p3		
WHITE BALANCE HI(G)	QHG	Inquiry about white balance high (G)	p1p2p3		
WHITE BALANCE HI(B)	QHB	Inquiry about white balance high (B)	p1p2p3		
CONTRAST	QVR	Inquiry about contrast	p1p2p3		
BRIGHTNESS	QVB	Inquiry about brightness	p1p2p3		
SHARPNESS	QVS	Inquiry about sharpness	p1p2p3		
NOISE REDUCTION	QNS	Inquiry about noise reduction	0	OFF	
			1	1	
			2	2	
			3	3	
DYNAMIC IRIS	QAI	Inquiry about DYNAMIC IRIS	0	OFF	
			1	ON	
DIGITAL CINEMA REALITY	QPD	Inquiry about DIGITAL CINEMA REALITY	0	AUTO	
			1	OFF	
			2	2:2 ON	

Items	Commands:Parameters	Functions	Callback	Interpretation	Remarks
COLOR MATCHING	QMC	Inquiry about color matching	0	OFF	
			1	3COLORS	
			2	7COLORS	
			3	MEASURE	
			4	PC	
ZOOM(H)	QZH	Inquiry about horizontal magnification	p1p2p3		
ZOOM(V)	QZV	Inquiry about vertical magnification	p1p2p3		
ZOOM (H/V)	QZO	Inquiry about magnification	p1p2p3		
ZOOM (H/V gang control)	QZS	Inquiry about gang control for zoom	0	OFF	
			1	ON	
BLANKING (UPPER)	QLU	Inquiry about blanking (upper)	p1p2p3		
BLANKING (LOWER)	QLB	Inquiry about blanking (lower)	p1p2p3		
BLANKING (LEFT)	QLL	Inquiry about blanking (left)	p1p2p3		
BLANKING (RIGHT)	QLR	Inquiry about blanking (right)	p1p2p3		
CLOCK PHASE	QCP	Inquiry about clock phase	p1p2p3		
TOTAL DOTS	QTD	Dot count	p1p2p3p4		
DISPLAY DOTS	QDD	Dot count for display	p1p2p3p4		
TOTAL LINES	QTL	Line count	p1p2p3p4		
DISPLAY LINES	QDL	Line count for display	p1p2p3p4		
KEYSTONE	QKS	Inquiry about trapezoidal correction	p1p2p3		
LINEARITY	QLI	Inquiry about trapezoidal linearity	p1p2p3		
INSTALLATION	QSP	Inquiry about installed condition	0	Front/Floor	
			1	Rear/Floor	
			2	Front/Ceiling	
			3	Rear/Ceiling	
SET RUNTIME	QST	Inquiry about uptime	p1p2p3p4p5	00000h to 99999h	
LAMP ON TIME (LAMP TIMER)	QSL:p1 (p1 = 1 or 2)	Inquiry about lamp-on time (1=lamp 1 2=lamp 2)	p1p2p3p4		0000h to 9999h
LAMP SELECT	QSL	Inquiry about lamp selection	0	DUAL	
			1	SINGLE	
			2	LAMP1	
			3	LAMP2	
LAMP POWER	QLP	Inquiry about lamp power selection	0	HIGH	
			1	LOW	
VPS SYSTEM	QVY	Inquiry about VPS system	0	SLAVE	
			1	MASTER	
GROUP GET	ADa1a2;QRG	Group acquisition	ADa1a2;RGSG1g2		
MASTER GET	ADg1g2;QRL	Group leader acquisition	ADa1a2;RLSa1a2		
VIDEO SELECT	QM1	Inquiry about ET-MD95VM2 board input	0	LINE or Y/C	
			1	YCbCr	
VIDEO SYSTEM (VIDEO)	QY1	Inquiry about Video system (VIDEO)	AT1	AUT01	
			AT2	AUT02	
VIDEO SYSTEM (S-VIDEO)	QY2	Inquiry about Video system (S-VIDEO)	AT1	AUT01	
			AT2	AUT02	
VIDEO SYSTEM (ET-MD95VM2 board LINE)	QY3	Inquiry about video system (ET-MD95VM2 board LINE)	AT1	AUT01	
			AT2	AUT02	
VIDEO SYSTEM (ET-MD95VM2 board Y/C)	QY4	Inquiry about video system (ET-MD95VM2 board Y/C)	AT1	AUT01	
			AT2	AUT02	
AUTOSETUP MODE	QAM	Inquiry about auto setup mode	0	USER	
			1	STANDARD	
			2	WIDE	
INPUT BOARD	QIB	Inquiry about input board	p1p2p3p4 --- (indefinite length)	MD95VM2	
				MD95SD1	
				MD95SD2	
				MD95SD3	
				MD95RGB	
				MD75NT	
				MD75DV	
				NONE	
				UNKNOWN	
				NOT SUPPORT	
TEMPERATURE	QTM:p1	Readout of temperature data	p1p2p3p4/p5p6p7p8 (Centigrade/Fahrenheit)	p1=0 intake	
				p1=1 exhaust	
				p1=2 optical module	

Items	Commands:Parameters	Functions	Callback	Interpretation	Remarks
P in P	QPP	Inquiry about P in P on/off	0	OFF	
			1	USER1	
			2	USER2	
			3	USER3	
FUNCTION1	QFC	Inquiry about function 1	0	P in P	
			1	LAMP POWER	
			2	SIZE	
SUB MEMORY	QSB	Inquiry about sub memory	p1p2		
GET DATE	QGD	Inquiry about date	y1y2y3y4m1m2d1d2w	yyyymmdd (a day of the week)	A day of the week: Mon.=1 Tues.=2 - -- Sun.=7
GET TIME	QGT	Inquiry about time	h1h2m1m2s1s2	hhmmss	

5.7. Cable specifications

<Connecting to a PC>

Projector		Computer (DTE specifications)	
1	NC	NC	1
2			2
3			3
4	NC	NC	4
5			5
6	NC	NC	6
7			7
8			8
9	NC	NC	9

Note

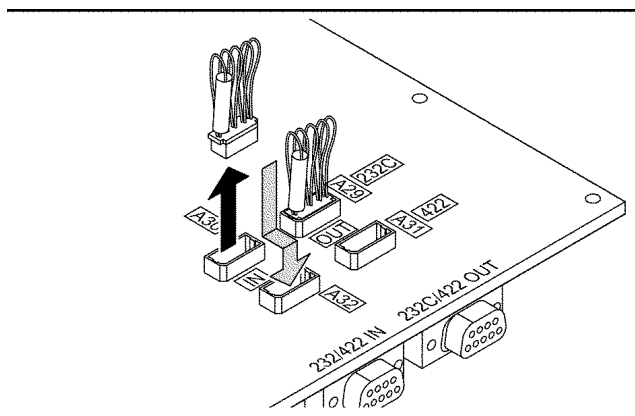
To connect the computer to the SERIAL terminal, prepare an adequate communication cable that fits to your personal computer.

5.8. Converting to RS-422 Control Functions

The RS-232C terminal of the projector is available as a RS-422 control terminal. The factory default setting is RS-232C control terminal.

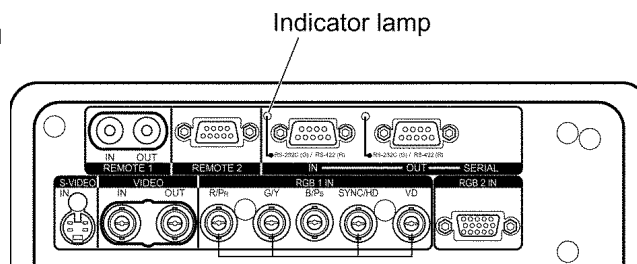
Converting the RS-232C-IN terminal to RS-422-IN terminal

- (1) If the power of the projector is on, press the POWER OFF () button on the remote control unit or projector.
- (2) Select "EXECUTE" using the ◀ or ▶ buttons and press the ENTER button.
Wait about five minutes until the cooling fans stop.
- (3) Turn off the MAIN POWER switch on the projector and unplug the power cord from the outlet.
- (4) Follow "11.3" to remove the upper cover.
- (5) Remove the connector inserted into A30 on the A-P.C.Board and insert it into A32.



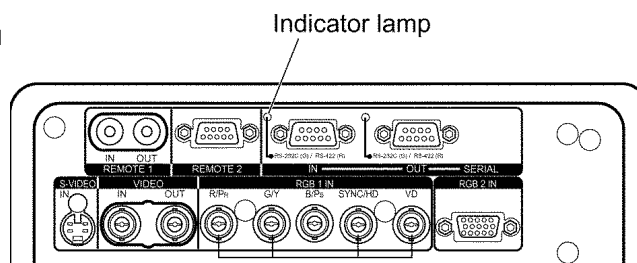
- (6) Install the upper cover.

- (7) Plug the projector to the outlet and turn on the MAIN POWER switch.
- (8) Check that the indicator lamp at the left of the RS-232-IN terminal illuminates in red.



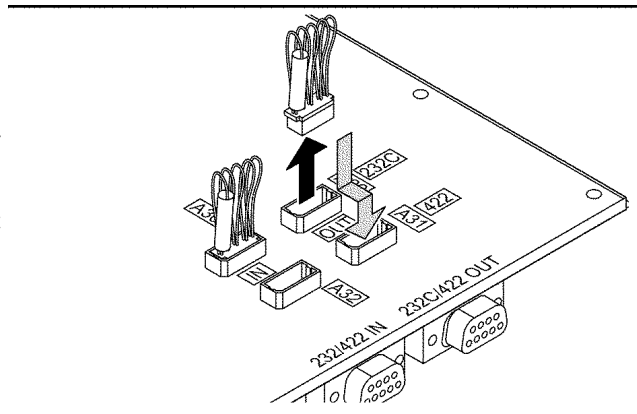
Returning the RS-232C-IN terminal to RS-232C-IN terminal

- (1) If the power of the projector is on, press the POWER OFF () button on the remote control unit or projector.
- (2) Select "EXECUTE" using the  or  buttons and press the ENTER button.
Wait about five minutes until the cooling fans stop.
- (3) Turn off the MAIN POWER switch on the projector and unplug the power cord from the outlet.
- (4) Follow "11.3" to remove the upper cover.
- (5) Remove the connector inserted into A32 on the A-P.C.Board and insert it into A30.
- (6) Install the upper cover.
- (7) Plug the projector to the outlet and turn on the MAIN POWER switch.
- (8) Check that the indicator lamp at the left of the RS-232-IN terminal illuminates in green.

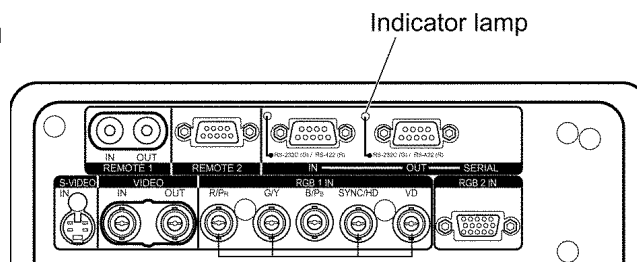


Converting the RS-232C-OUT terminal to RS-422-OUT terminal

- (1) If the power of the projector is on, press the POWER OFF () button on the remote control unit or projector.
- (2) Select "EXECUTE" using the  or  buttons and press the ENTER button.
Wait about five minutes until the cooling fans stop.
- (3) Turn off the MAIN POWER switch on the projector and unplug the power cord from the outlet.
- (4) Follow "11.3" to remove the upper cover.
- (5) Remove the connector inserted into A29 on the A-P.C.Board and insert it into A31.



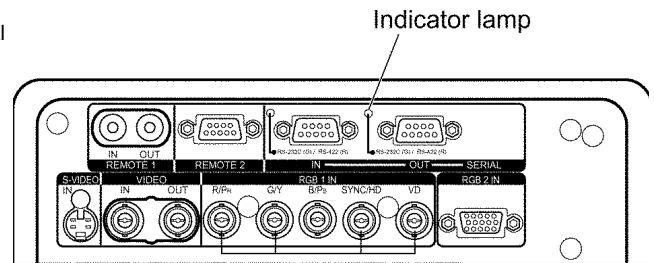
- (6) Install the upper cover.
- (7) Plug the projector to the outlet and turn on the MAIN POWER switch.
- (8) Check that the indicator lamp at the left of the RS-232-IN terminal illuminates in red.



Returning the RS-232C-OUT terminal to RS-232C-OUT terminal

- (1) If the power of the projector is on, press the POWER OFF () button on the remote control unit or projector.

- (2) Select "EXECUTE" using the ◀ or ▶ buttons and press the ENTER button.
Wait about five minutes until the cooling fans stop.
- (3) Turn off the MAIN POWER switch on the projector and unplug the power cord from the outlet.
- (4) Follow "11.3" to remove the upper cover.
- (5) Remove the connector inserted into A31 on the A-P.C.Board and insert it into A29.
- (6) Install the upper cover.
- (7) Plug the projector to the outlet and turn on the MAIN POWER switch.
- (8) Check that the indicator lamp at the left of the RS-232-IN terminal illuminates in green.



Pin Assignments in the RS-422 Control Mode

Pin Assignments in the RS-422 Control Mode

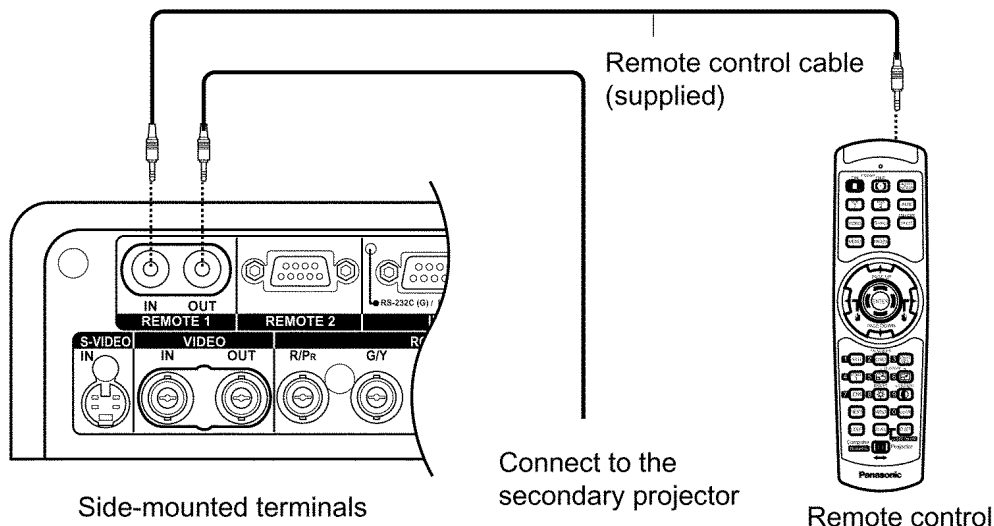
RS-422-IN		
Pin number	Signal name	Description
1	NC	No connection
2	TXD(—)	Sends data (—)
3	RXD(+)	Receives data (+)
4	—	Connected internally to pin 6
5	NC	No connection
6	—	Connected internally to pin 4
7	TXD(+)	Sends data (+)
8	RXD(—)	Receives data (—)
9	FG	GND

RS-422-OUT		
Pin number	Signal name	Description
1	NC	No connection
2	RXD(—)	Sends data (—)
3	TXD(+)	Receives data (+)
4	—	Connected internally to pin 6
5	NC	No connection
6	—	Connected internally to pin 4
7	RXD(+)	Sends data (+)
8	TXD(—)	Receives data (—)
9	FG	GND

6 Using a Wired Remote Control

6.1. Connection Example

When two or more projectors are connected in the system, connect the projectors with the supplied remote control cable to simultaneously control the projectors with a remote control unit through the REMOTE1 IN/OUT terminal. It is effective to use the wired remote control in the environment in which an obstacle stands in the light path or where the system is susceptible to outside light.



6.2. Setting the Projector ID Number for Remote Control

Every projector has its ID number and the ID number of the controlling projector must be set to the remote control in advance so that the user can operate the remote control. The ID number of the projector is set to "ALL" on shipping, and use the ID ALL button of the remote control when using only one projector.

Procedure of ID setting

Press the ID SET button, and within five seconds, use the NEXT button to set the number of the ten place in the ID number, which is already set in the projector, and then use one of the numeric (0-9) buttons to set the number of the one place. However, if the ID ALL button is pressed, the projector can be controlled regardless of the ID number of the projector (simultaneous control mode).

- If the ID SET button is pressed, the ID number goes back to the one set before pressing the ID SET button unless the NEXT button and a numeric button are pressed within five seconds after the ID SET button is pressed.
- Do not press the ID SET button accidentally or carelessly because the ID number on the remote control can be set even when no projector is around.
- Your specified ID number is stored in the remote control unit unless another one is specified later. However, the stored ID will be erased if the batteries of the remote control are left exhausted. When the dry cells are replaced, set the same ID number again.

7 Support for Service

7.1. Supporting Methods

We will support according to the following methods.

Supporting methods	Applied parts
Replaced by module or block	Ballast power supply
Replaced by discrete components	Other components
Replaced at the manufacturing department	Optical block unit (including DMD™ devices) [FM] DMD™ drive module

7.2. Note for Replacement of P.C.Boards

7.2.1. When replacing the A-P.C.Board

- Transfer the data of the original A-P.C.Board to the new A-P.C.Board using the adjustment software and a personal computer. (If you cannot transfer the data, remove IC2611, IC2618, and IC2619 from the original board and mount them on the new board.)

* For the adjustment software, consult an authorized service center.

7.2.2. When replacing the X-P.C.Board

- Be sure to turn off the MAIN POWER switch before removing the X-P.C.Board. If replacing this board during standby condition, the projector may suffer damage.
- After replacing the X-P.C.Board, no adjustment is necessary.

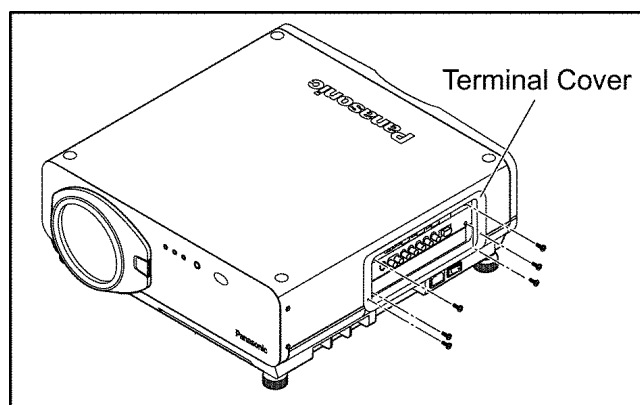
7.3. Service Kit (Extension Board) for X-P.C.Board

To check the X-P.C.Board during operation, a service kit is necessary. (Part number: TZSH07011)

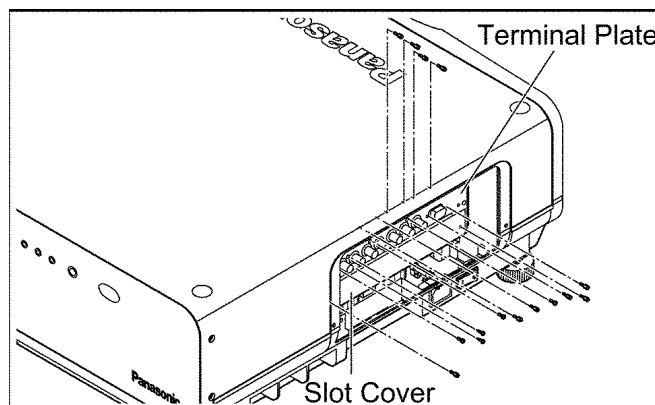
* Consult an authorized service center to get the service kit.

Connecting the jig

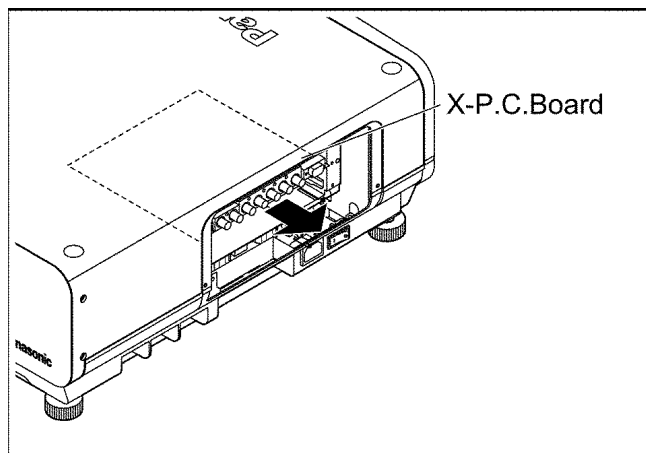
- (1) Unscrew the 6 screws on the right side and remove the terminal cover.



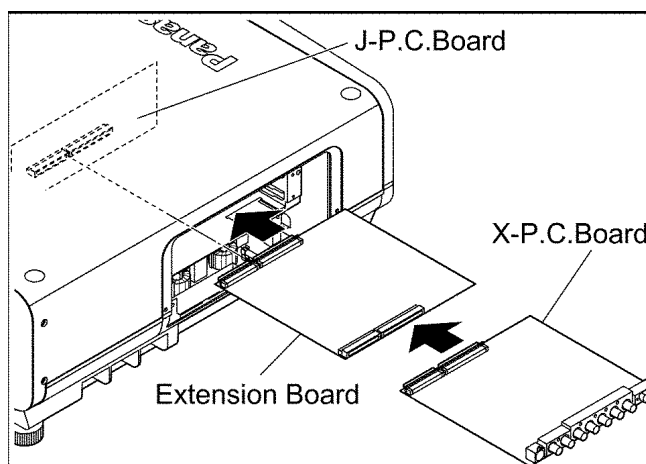
- (2) Unscrew the 2 screws and remove the slot cover.
- (3) Unscrew the 5 screws and 8 hex-head screws, remove the terminal plate.



- (4) Slide out the X-P.C.Board to disconnect it from the connectors on the J-P.C.Board.



- (5) Instead of the X-P.C.Board, connect the extension board into the connector on the J-P.C.Board.
- (6) Connect the X-P.C.Board to the connector on the extension board.



7.4. Replacement of the lithium battery on the R-P.C.Board

If the lithium battery will be empty, replace it with a new one (CR2032 or equivalent).

Cautions

- Explosion may occur if replacing the battery with an incorrect one.
- Dispose of used batteries according to the instructions.

8 Cautions for Service

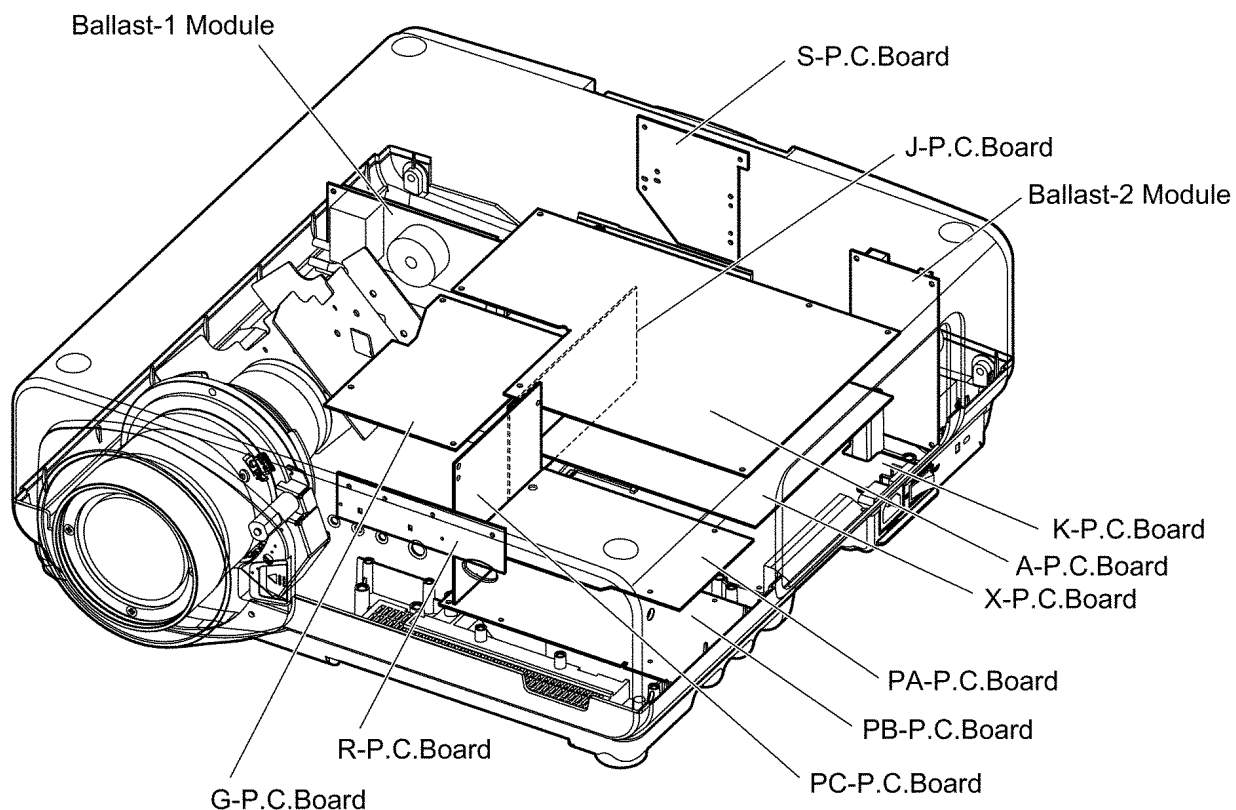
- Never unplug the power cord from the outlet, open the circuit breaker, or perform other procedures to cut off the power line during the operation of any cooling fan.

To turn off the projector, press the POWER OFF () button on the remote control unit or projector and wait about four minutes until the cooling fans stop (The power indicator lamp on the projector illuminates in orange).

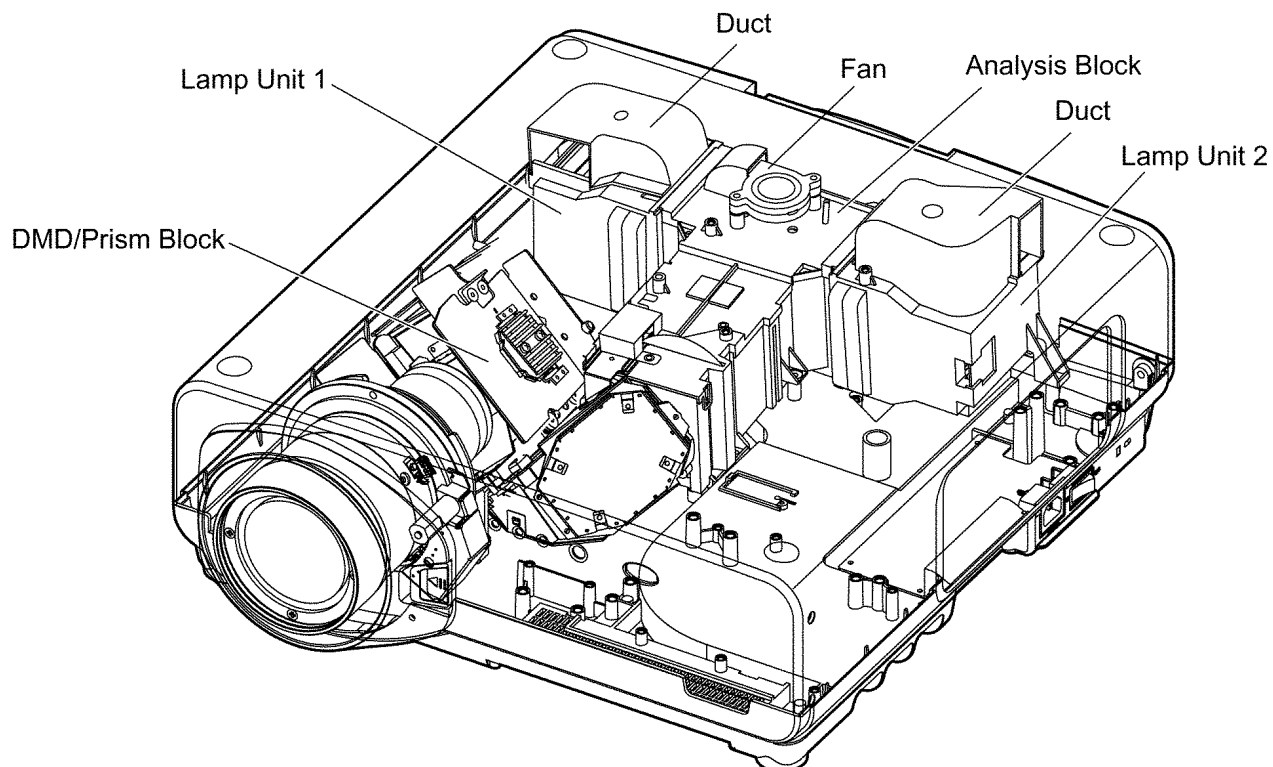
- Be sure to check that the cooling fans have stopped (The power indicator lamp illuminates in red). After that, turn off the MAIN POWER switch.
- This projector emits strong light, so never look into the lens. If doing so, your eyes can suffer damage.

9 Parts Location

9.1. Electrical Parts Location



9.2. Electromechanical Parts Location



10 Replacement of Lamp Unit

Cautions

- Wait until the lamp is cooled sufficiently before replacing the lamp unit.

10.1. Precautions on Lamp Unit Replacement

- Be careful when handling a light source lamp . The lamp may burst if it hit by solid objects or if it is dropped because of high air pressure inside the bulb.
- A used lamp unit may burst if it is handled violently.
- For disposition of used lamps, request an industrial waste disposal contractor.
- Do not reset the cumulative time, except when the lamp unit has been replaced with a new unit.
- If you continue to use a lamp after the replacement time, the lamp may break.
- Philips screwdriver is necessary when replacing a lamp unit.

Take care not to slip your hand when using a screwdriver.

- A lamp unit is an optional part. Contact the dealer.

Replacement lamp unit model No.: ET-LAD7700 (single bulb), ET-LAD7700W (double bulbs)

Rating: 300 W 80 V

Long-life lamp unit model No.: ET-LAD7700L (single bulb), ET-LAD7700LW (double bulbs)

Rating: 160 W 80 V

- Other lamps than specified above cannot be used. Be sure to use the specified lamp.

10.2. Timing of Lamp Unit Replacement

The lamp used for the light source has its due life. The life of light source lamp used in the main unit is 1 500 hours^{*1} (when lamp output is HIGH and lamp selection is DUAL). However, it may happen that the lamp becomes dead(will not light) by the time of 1 500 hours^{*1} depending on the characteristics of individual lamps and working conditions (lamps may reduce their life affected by the times of lighting and the intervals between previous lighting and next lighting). Therefore, it is strongly recommended for the user to keep a spare bulb. If your lamp unit is not replaced after 1 300 hours^{*2} (with the lamp output set at "HIGH"), power supply will be turned off automatically at the time of 1 500 hours^{*1} of initial lighting, power supply is turned off automatically about 10 minutes later, entering a standby state even if it is turned on again.

• Indication after 1300 hours^{*2} (with the lamp output set at "HIGH")

When lamp unit used hours have reached 1 300 hours^{*2}, lamp monitor (LAMP 1 or LAMP 2) lights up including standby state. Further, an on-screen indication will appear for about 30 seconds as shown in the diagram on the right, recommending replacement of lamp unit. (The indication on the below diagram will disappear after about 30 seconds or when either control button on the rear of main unit or remote control button is operated.)

After the time of 1500 hours^{*1}, the on-screen indication will not disappear unless the menu (MENU) button is operated.

REPLACE THE LAMP

*1 This time period is 4 000 hours when long-life lamps are used.

*1 This time period is 3 800 hours when long-life lamps are used.

10.3. Lamp Monitor

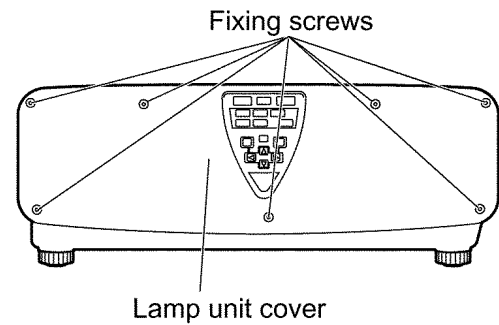
	Lighting mode	State	Check point	Action
Lamp monitor LAMP1 LAMP2  	Lighting in red	Indicates the time for replacing the lamp unit.	Did you notice a "REPLACE THE LAMP" message on the screen when turning on the projector power supply.	This lamp monitor lights up when the lamp unit used hours have reached 1 300 hours (3 800 hours when long-life lamps are used). Request the dealer to replace the lamp unit.
	Blinking in red (3 times)	Error is detected in the lamp circuit.	- Some error has arisen in the lamp circuit. - Check for fluctuation (or drop) in the source voltage.	Follow steps (1) to (3) of "5.8." to turn off the MAIN POWER switch and consult your dealer.

10.4. Procedure of Lamp Unit Replacement

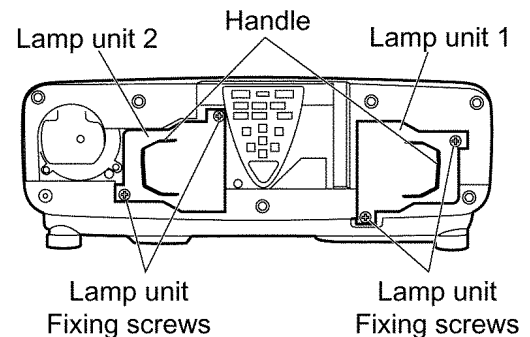
1. Turn the power off by following the steps (1) to (3) of "5.8", remove the power plug and confirm that the surroundings of the lamp unit have cooled off.

2. Using a Philips screwdriver, remove the 7 screws on the lamp unit cover located on the rear of the projector.

3. Remove the lamp unit cover from the main unit.



4. Use a Phillips screwdriver to loosen the two lamp unit fixing screws until the screws turn freely. Then hold the handle of the lamp unit and gently pull it out from the projector.



Caution

The lamp unit will be hot after it has been used.

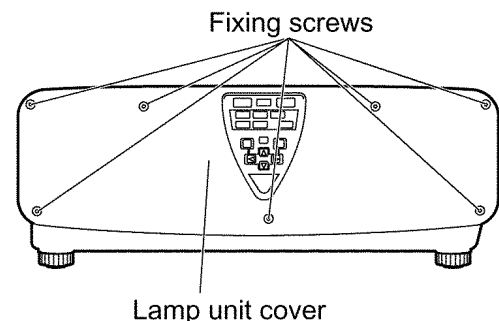
You might get burned if you touch it while it is still hot.

5. Install the new lamp unit.

6. Use a Phillips screwdriver to securely tighten the lamp unit fixing 2 screws.

7. Install the lamp unit cover, and then use a Phillips screwdriver to securely tighten the lamp unit cover fixing 7 screws.

Caution • Firmly install the lamp unit and lamp unit cover. If not installed firmly, a protection circuit will function and the power will not be turned on.



NOTE:

- Be sure to follow steps 8 to 15 in ten minutes after turning on the projector because the projector is turned off in ten minutes if the RUNTIME indication is 1 500h or more.

8. Insert the power cord plug into the wall outlet and then press the MAIN POWER switch.

Caution • If the power does not turn on (power indicator lamp (red) does not turn on) even after turning the MAIN POWER switch "I", turn the MAIN POWER "O", confirm that the lamp unit and door are installed correctly, and turn on again.

9. Press the "I" (POWER) button so that a picture is projected onto the screen.

10. Press the "MENU" button to display the MAIN MENU screen, and then press the ▲ and ▼ buttons to move the cursor to select "OPTION".

MAIN MENU	
PICTURE	
POSITION	
ADVANCED MENU	
LANGUAGE	
OPTION	
TEST PATTERN	
SIGNAL LIST	
SECURITY	

11. Press the "ENTER" button to display the "OPTION" screen, and select "SYSTEM INFORMATION" with the ▲ and ▼ buttons.

OPTION	
PROJECTOR ID	2
SETTING	FRONT-F
LAMP SELECT	DUAL
LAMP POWER	HIGH
LAMP COOLING TIME	NORMAL
RS232C SETTING	
OSD POSITION	2
SYSTEM INFORMATION	
COLOR MATCHING	3COLORS
VIDEO SETTING	

▲▼:MENU SELECT
ENTER:SUB MENU

12. Press the "ENTER" button.

The SYSTEM INFORMATION screen will be displayed.

SYSTEM INFORMATION	
ROM VERSION:	1.00
SET RUNTIME:	300h
LAMP1	TYPE: LAD7700
	LOW: 100h
	HIGH: 200h
	RUNTIME: 275h
LAMP2	TYPE: LAD7700
	LOW: 100h
	HIGH: 200h
	RUNTIME: 275h

13. Press and hold the "ENTER" button on the projector or the remote control for approximately 3 seconds.

An item "LAMP RESET" will be added.

14. Select the lamp which has been replaced with the ▲ and ▼ buttons.

LAMP1: Replace the LAMP UNIT 1

LAMP2: Replace the LAMP UNIT 2

LAMP RESET	
LAMP1	
LAD7700	1443h
LAD7700L	0h
LAMP2	
LAD7700	1100h
LAD7700L	0h

▲▼:SELECT ENTER:EXECUTE

15. Press the "ENTER" button. When "OK?" is displayed, press the "ENTER" button.

The used hours of the specified lamp unit will be reset to zero.

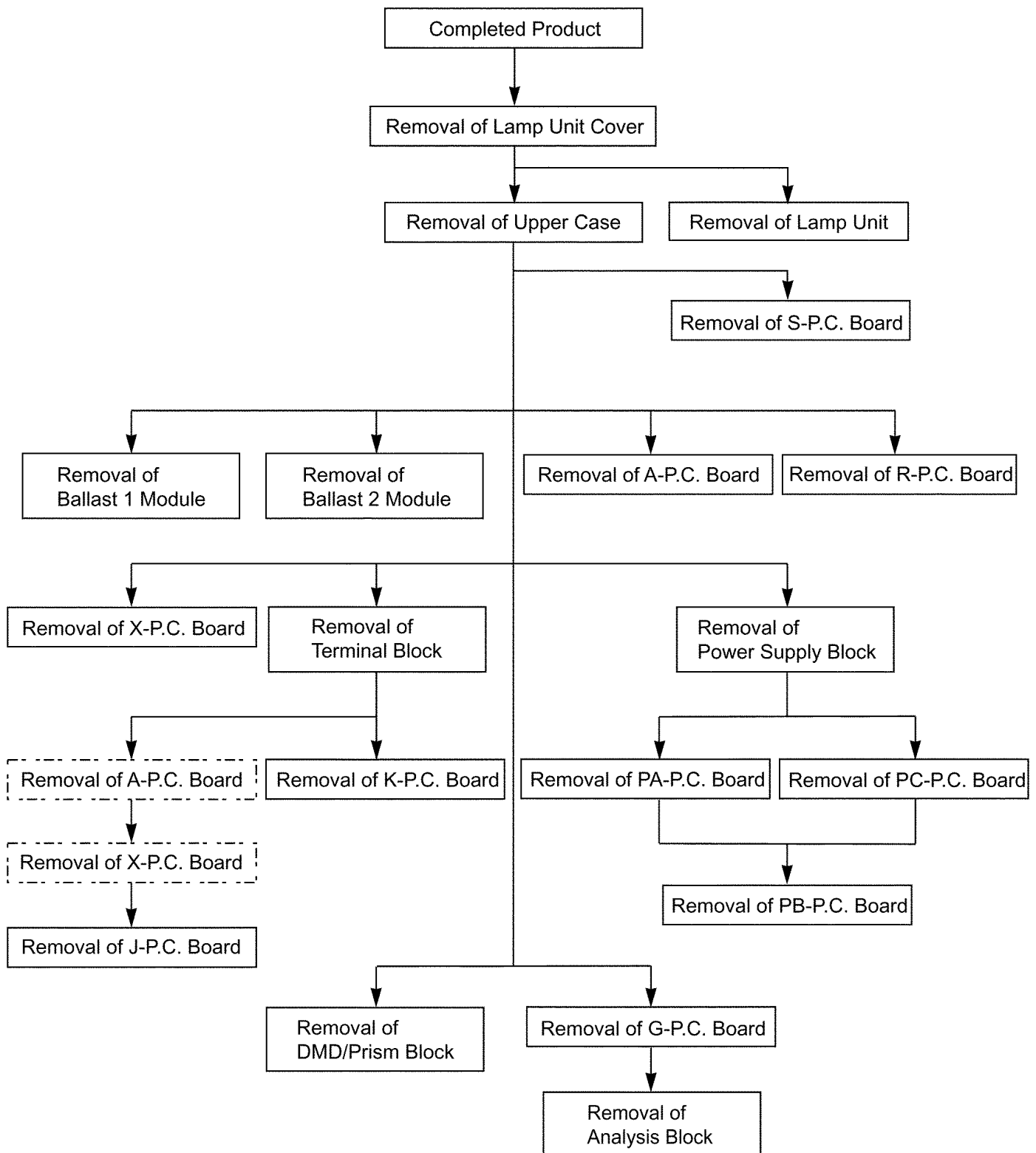
When more than one lamp has been replaced, repeat the procedure from step 14.

LAMP RESET		OK?
LAMP1		
LAD7700	1443h	
LAD7700L	0h	
LAMP2		
LAD7700	1100h	
LAD7700L	0h	

11 Disassembly Instructions

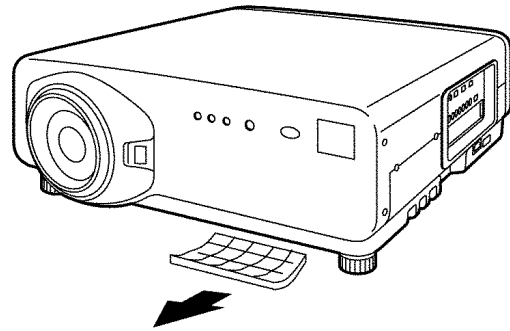
11.1. Flowchart for Disassembly

To assemble, reverse the disassembly procedures.

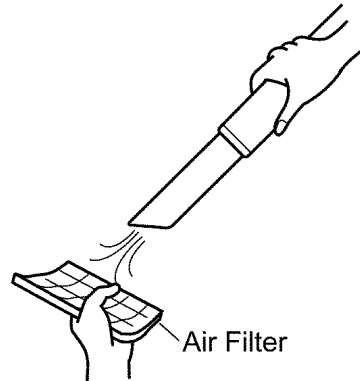


11.2. Air Filter Cleaning

- (1) Pull out the air filter to remove it.

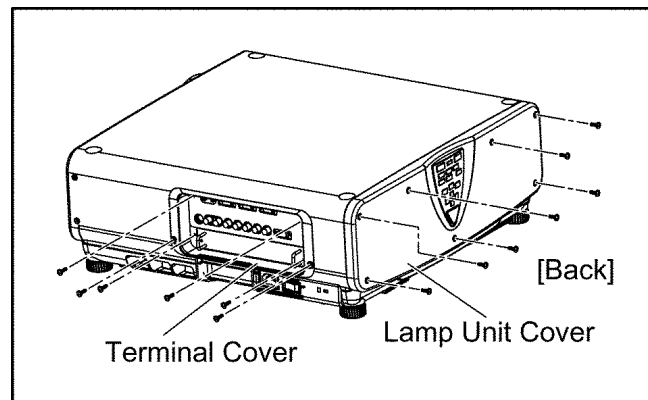


- (2) Clean the air filter using a vacuum cleaner.



11.3. Removal of Upper Cover

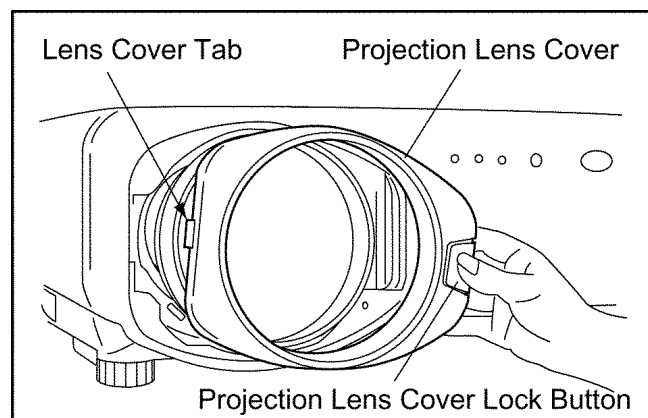
- (1) Unscrew the 7 screws and remove the lamp unit cover.
- (2) Unscrew the 6 screws on the right side and remove the terminal cover.



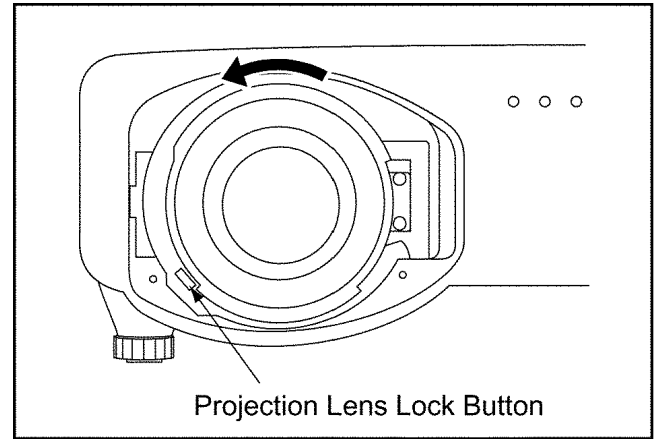
- (3) While pressing the projection lens cover lock button, pull the projection lens cover in the direction right side front to remove it.

Note:

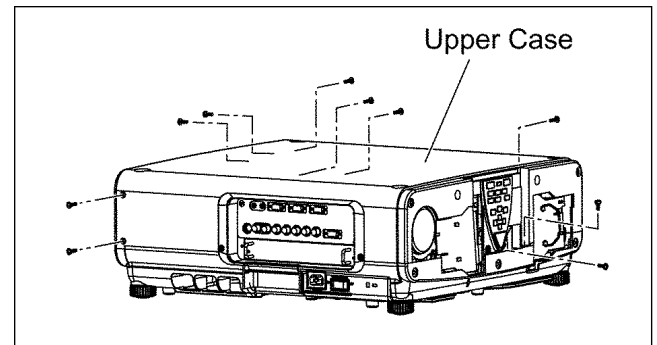
- Be careful not to damage the tab on the left side of the projection lens cover.



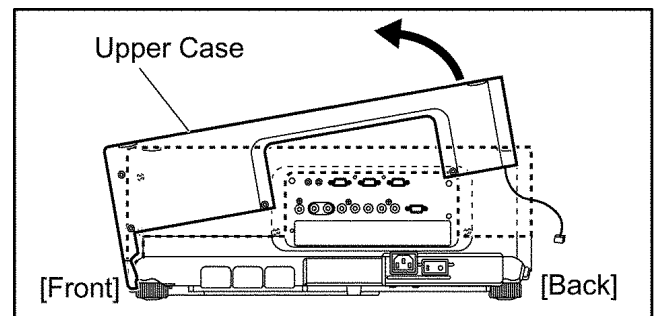
- (4) While pressing the projection lens lock button, turn the projection lens counterclockwise to remove it.



- (5) Unscrew the 2 screws on the front.
 (6) Unscrew the 6 screws on the sides.
 (7) Unscrew the 2 screws on the rear.

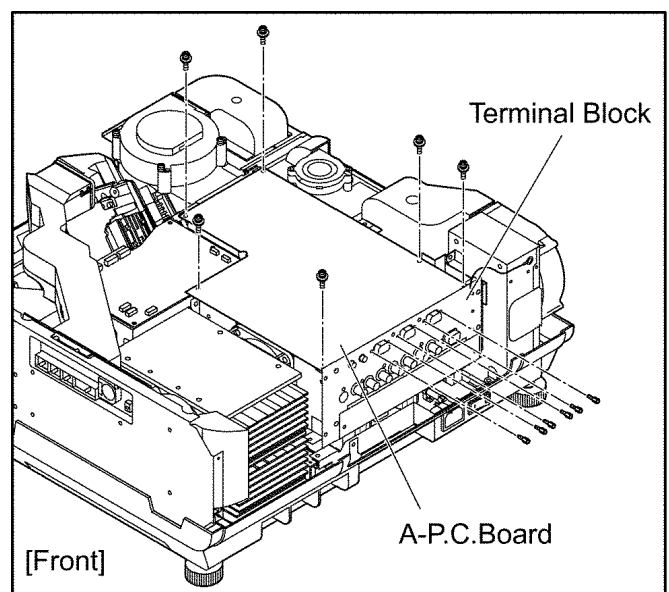


- (8) Lift the rear side of the upper case and disconnect the connector from the S-P.C.Board to remove the upper case.

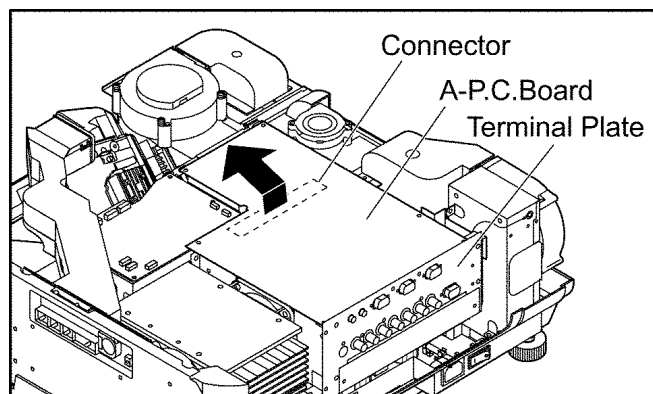


11.4. Removal of A-P.C.Board

- (1) Remove the upper case according to the section 11.3. "Removal of Upper Case".
 (2) Unscrew the 6 screws fixing the A-P.C.Board.
 (3) Unscrew the 6 hex-head screws fixing terminals of the terminal block.

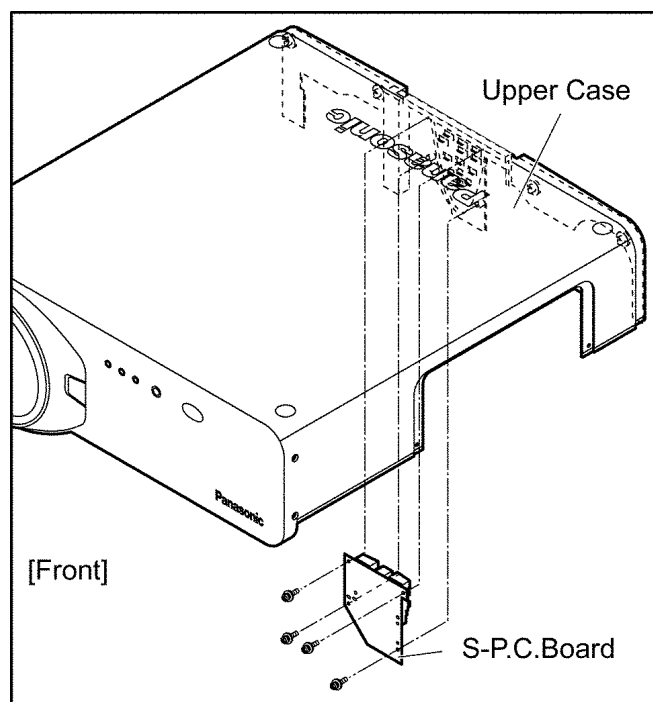


- (4) Disconnect the connector between A- and J-P.C.Boards.
- (5) While pulling out the connection terminals from the terminal plate, remove the A-P.C.Board.

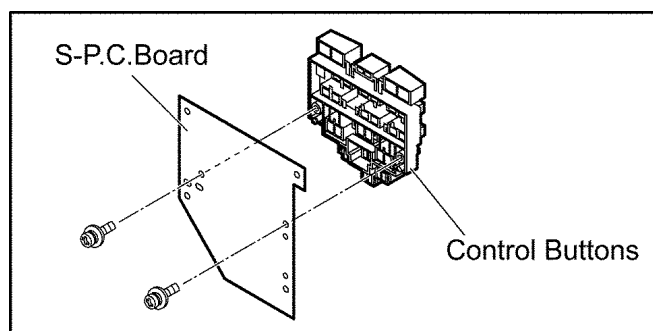


11.5. Removal of S-P.C.Board

- (1) Remove the upper case according to the section 11.3. "Removal of Upper Case".
- (2) Unscrew the 4 screws and remove the S-P.C.Board block.

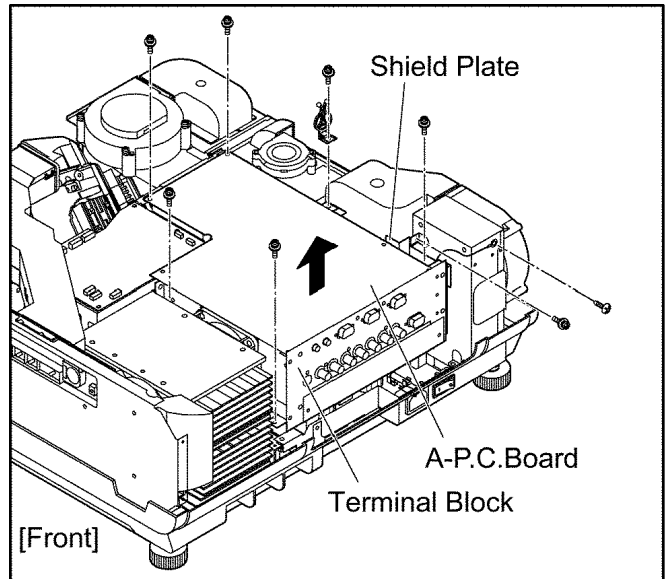


- (3) Unscrew the 2 screws and remove the control buttons.

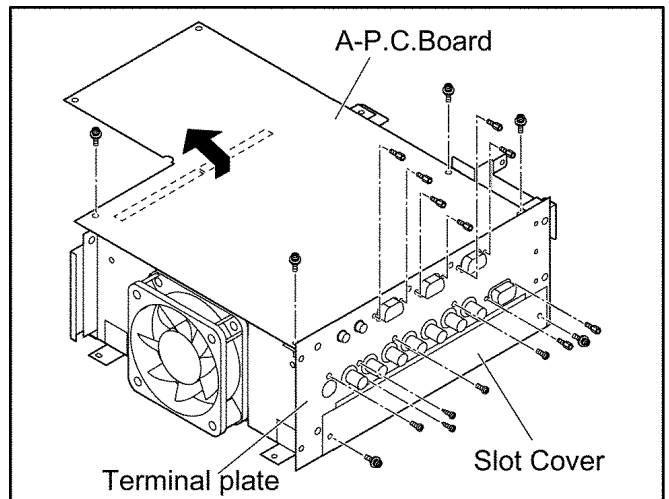


11.6. Removal of J-P.C.Board

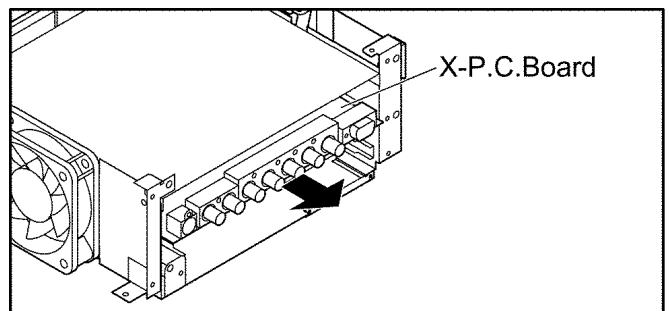
- (1) Remove the upper case according to the section 11.3. "Removal of Upper Case".
- (2) Unscrew the 1 screw fixing the grounding terminal.
- (3) Unscrew the 1 screw in 3 screws fixing the shield plate.
- (4) Unscrew the 2 screws fixing the A-P.C.Board.
- (5) Unscrew the 4 screws fixing the terminal block.
- (6) Disconnect all the connectors on the terminal block and pull out the terminal block upward.



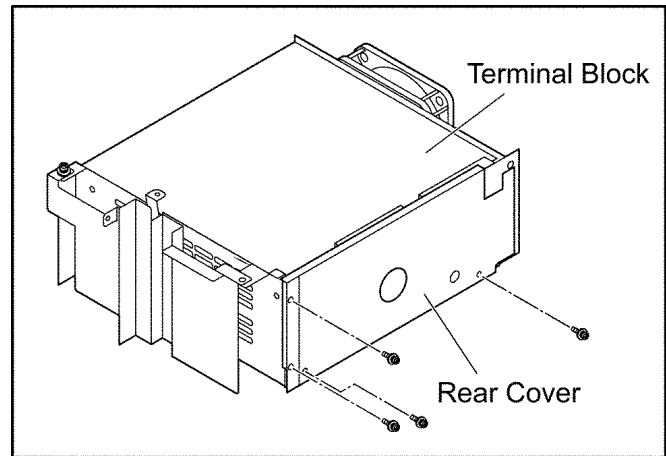
- (7) Unscrew the 4 screws fixing the A-P.C.Board.
- (8) Unscrew the 2 screws and remove the slot cover.
- (9) Unscrew the 5 screws and 8 hex-head screws, remove the terminal plate.
- (10) Disconnect the connector between A- and J-P.C.Boards, remove the A-P.C.Board.



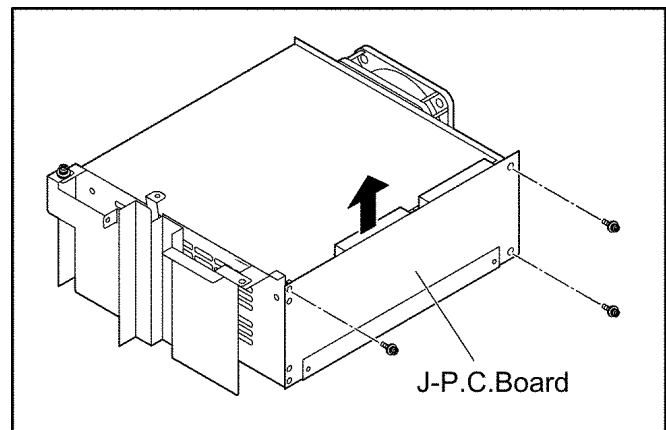
- (11) Disconnect the connector between J- and X-P.C.Boards, remove the X-P.C.Board.



- (12) Unscrew the 4 screws and remove the rear cover.

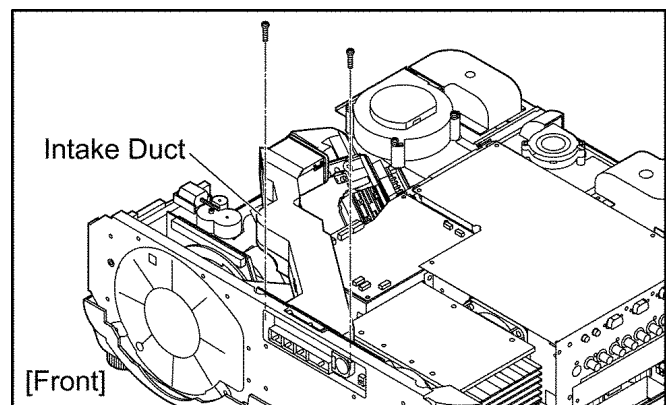


- (13) Unscrew the 3 screws and remove the J-P.C.Board.

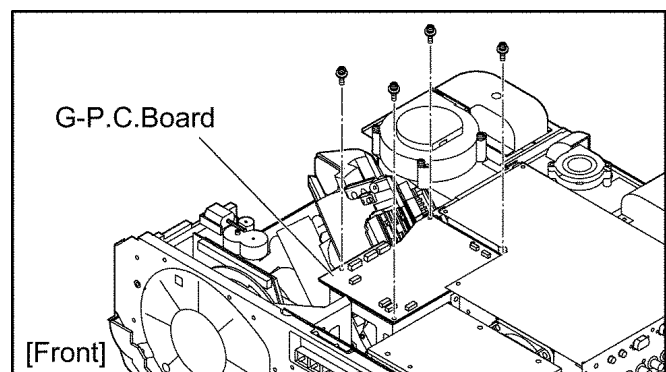


11.7. Removal of G-P.C.Board

- (1) Remove the upper case according to the section 11.3. "Removal of Upper Case".
(2) Unscrew the 2 screws and remove the intake duct.

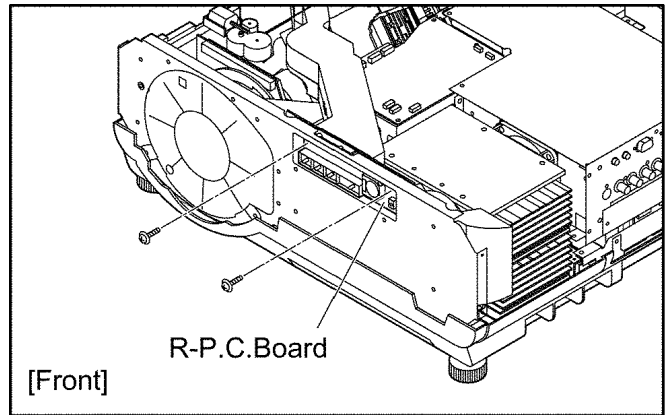


- (3) Unscrew the 4 screws and remove the G-P.C.Board.



11.8. Removal of R-P.C.Board

- (1) Remove the upper case according to the section 11.3. "Removal of Upper Case".
- (2) Unscrew the 2 screws and remove the R-P.C.Board.



11.9. Removal of X-P.C.Board

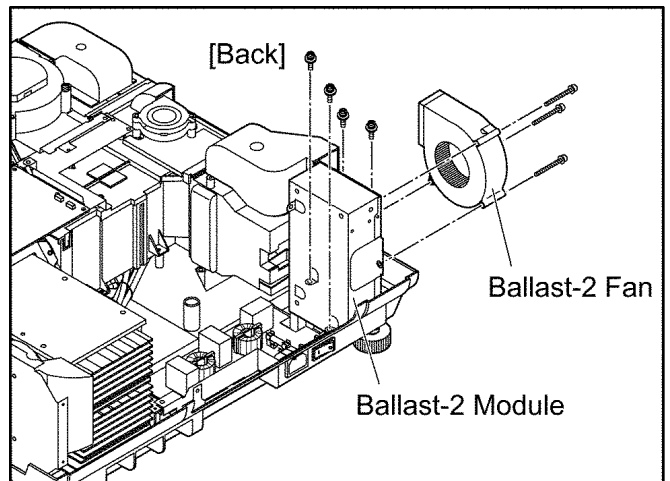
Remove the X-P.C.Board according to the steps 1 through 4 in the section 7.3."Service Kit (Extension Board) for X-P.C.Board".

11.10. Removal of K-P.C.Board

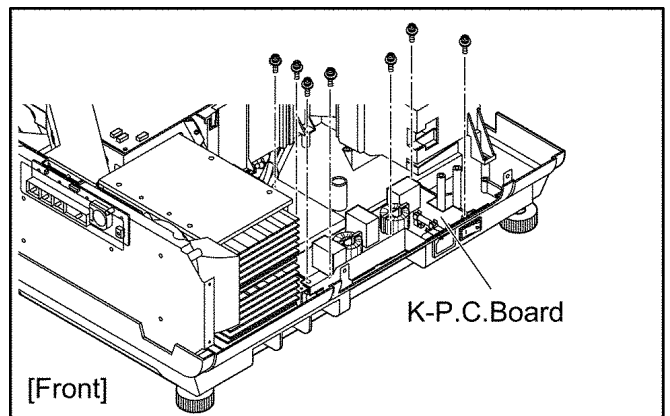
- (1) Pull out the terminal block according to the steps 1 through 6 in the section 11.6. "Removal of J-P.C.Board".
- (2) Unscrew the 3 screws and remove the ballast-2 fan.
- (3) Unscrew the 4 screws fixing the ballast-2 module.

Note:

- To remove the K-P.C.Board, put the ballast-2 module into the state that can be moved in some degree.

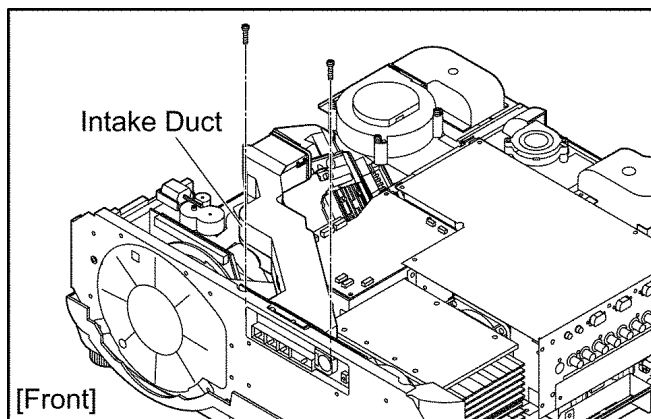


- (4) Unscrew the 1 screw fixing the grounding terminal.
- (5) Unscrew the 6 screws and remove the K-P.C.Board.

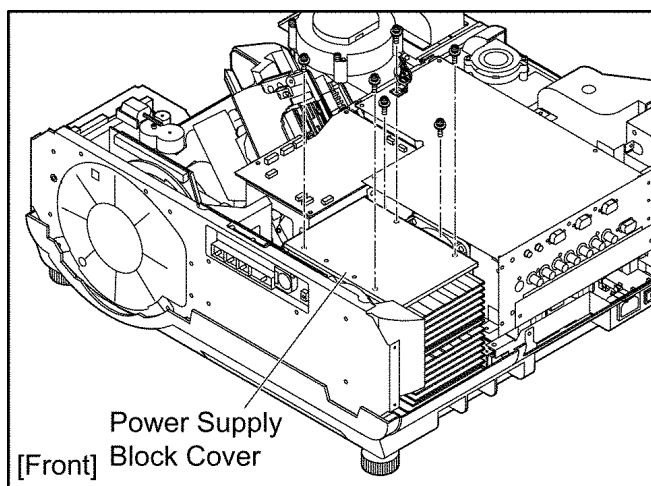


11.11. Removal of Power Supply Block

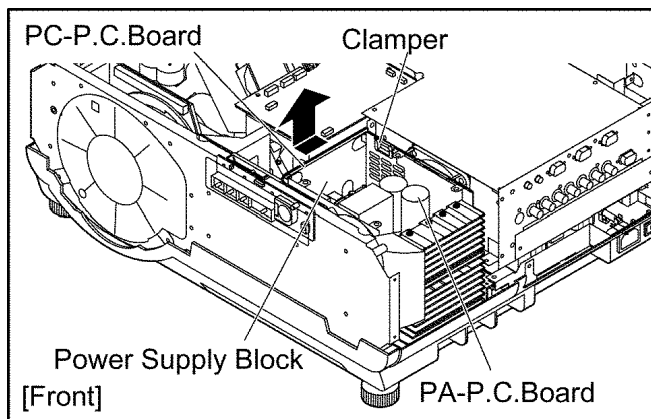
- (1) Remove the upper case according to the section 11.3. "Removal of Upper Case".
- (2) Unscrew the 2 screws and remove the intake duct.



- (3) Unscrew the 4 screws and remove the power supply block cover.
- (4) Unscrew the 2 screws fixing the power supply block.

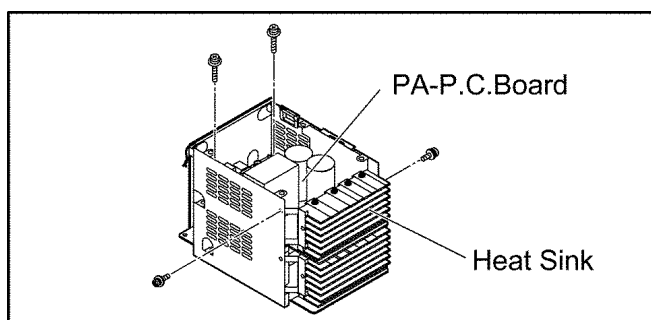


- (5) Disconnect the connectors (PA1, PA3, PA4) to the PA-P.C.Board.
- (6) Disconnect all the connectors on the PC-P.C.Board.
- (7) Slide the power supply block backward (to the center direction of the projector) to disconnect the engagement part in the bottom and take it out.



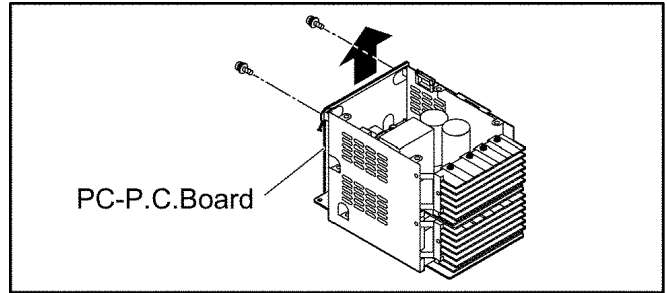
11.12. Removal of PA-P.C.Board

- (1) Remove the power supply block according to the section 11.11. "Removal of Power Supply Block".
- (2) Unscrew the 2 screws fixing the heat sink on PA-P.C.Board.
- (3) Unscrew the 2 screws and remove the PA-P.C.Board.



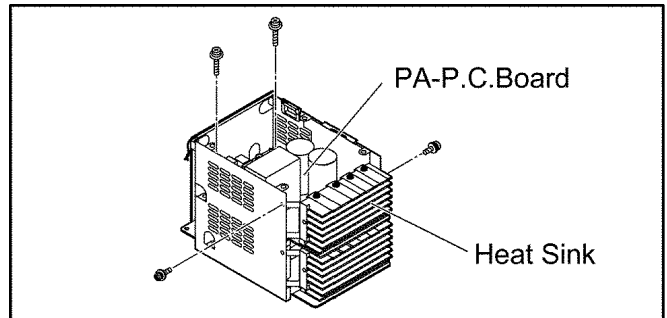
11.13. Removal of PC-P.C.Board

- (1) Remove the power supply block according to the section 11.11. "Removal of Power Supply Block".
- (2) Unscrew the 2 screws fixing the PC-P.C.Board.
- (3) Lift the PC-P.C.Board to disconnect it from the connectors on PB-P.C.Board.

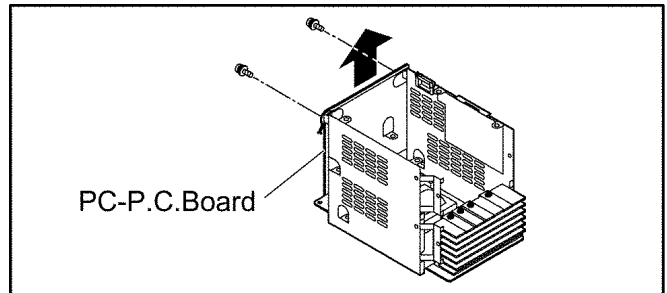


11.14. Removal of PB-P.C.Board

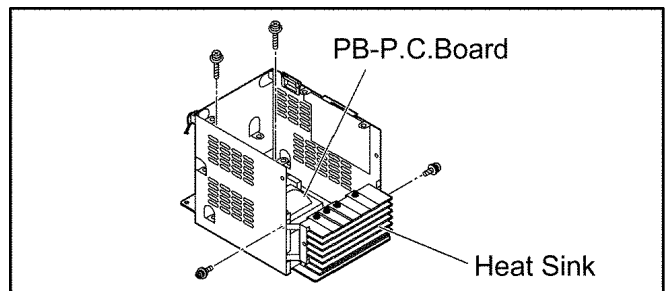
- (1) Remove the power supply block according to the section 11.11. "Removal of Power Supply Block".
- (2) Unscrew the 2 screws fixing the heat sink on PA-P.C.Board.
- (3) Unscrew the 2 screws and remove the PA-P.C.Board.



- (4) Unscrew the 2 screws fixing the PC-P.C.Board.
- (5) Lift the PC-P.C.Board to disconnect it from the connectors on PB-P.C.Board.

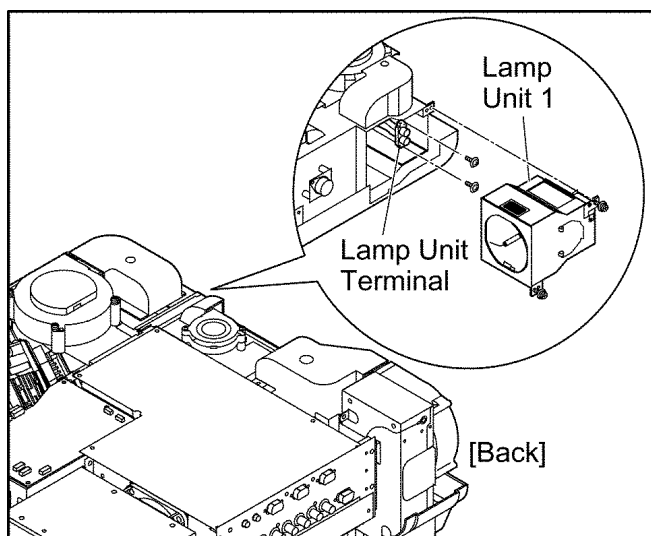


- (6) Unscrew the 2 screws fixing the heat sink on PB-P.C.Board.
- (7) Unscrew the 2 screws and remove the PB-P.C.Board.

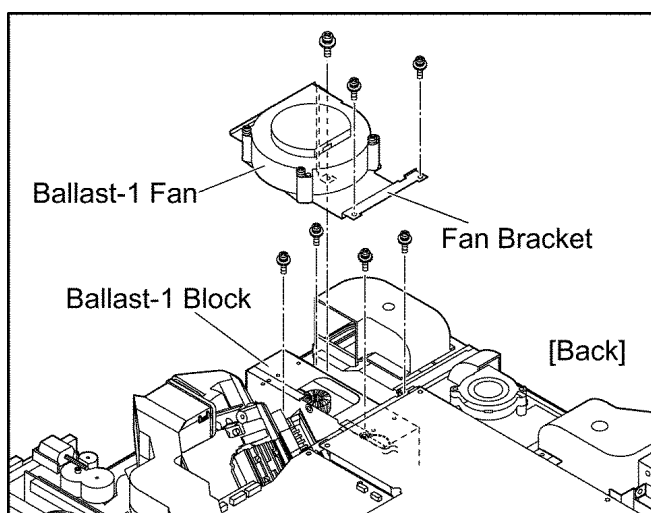


11.15. Removal of Ballast-1 Module

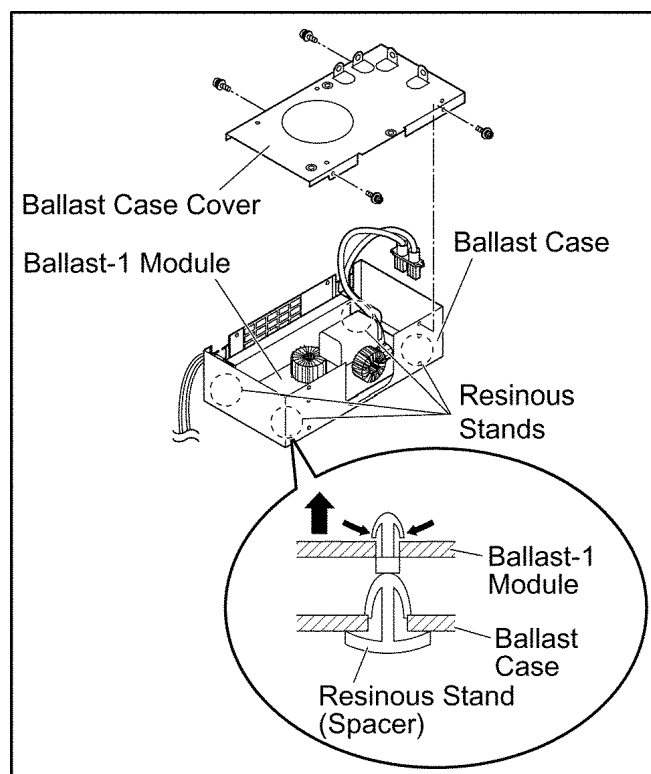
- (1) Remove the upper case according to the section 11.3. "Removal of Upper Case".
- (2) Loosen the 2 screws fixing the lamp unit 1 until they idle and remove the lamp unit 1.
- (3) Unscrew the 2 screws fixing the lamp unit terminal.



- (4) Unscrew the 3 screws and remove the fan bracket with the ballast-1 fan.
- (5) Unscrew the 3 screws fixing the ballast-1 block.
- (6) Unscrew the 1 screw fixing the grounding terminal.

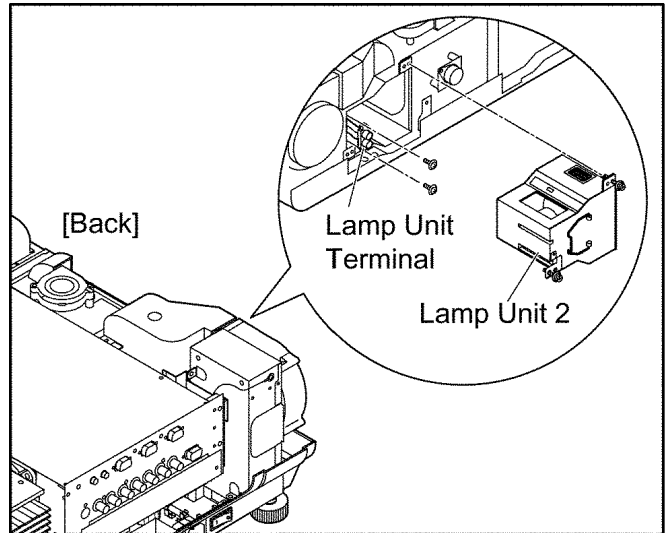


- (7) Pull out the ballast-1 block upward. (Lead wires remain being connected.)
- (8) Unscrew the 4 screws and remove the ballast case cover.
- (9) Disconnect the lead wires to release the ballast-1 block.
- (10) While pressing to shut each hook of the 4 resinous stands, remove the Ballast-1 Module.

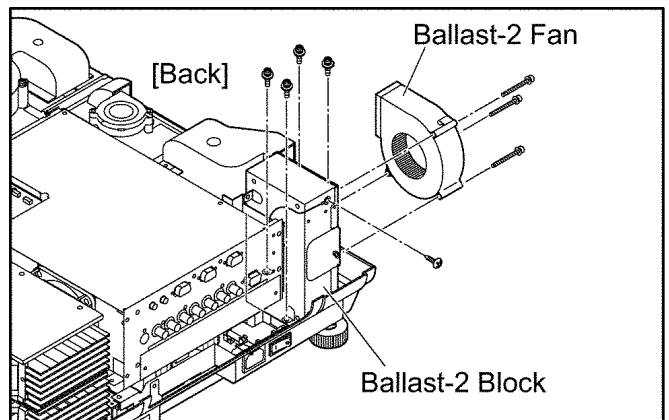


11.16. Removal of Ballast-2 Module

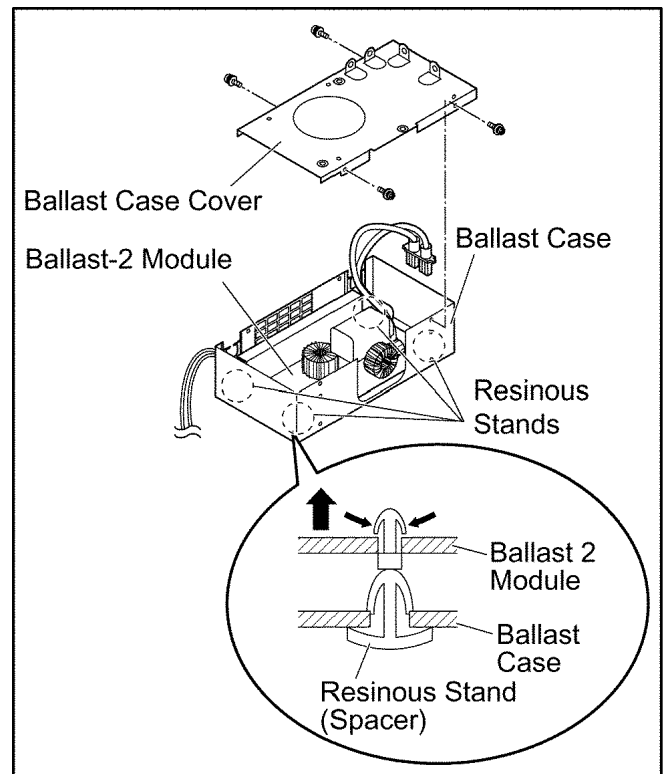
- (1) Remove the upper case according to the section 11.3. "Removal of Upper Case".
- (2) Loosen the 2 screws fixing the lamp unit until 2 they idle and remove the lamp unit 2.
- (3) Unscrew the 2 screws fixing the lamp unit terminal.



- (4) Unscrew the 3 screws and remove the ballast-2 fan.
- (5) Unscrew the 1 screw fixing the grounding terminal.
- (6) Unscrew the 5 screws and pull out the ballast-2 block upward. (Lead wires remain being connected.)

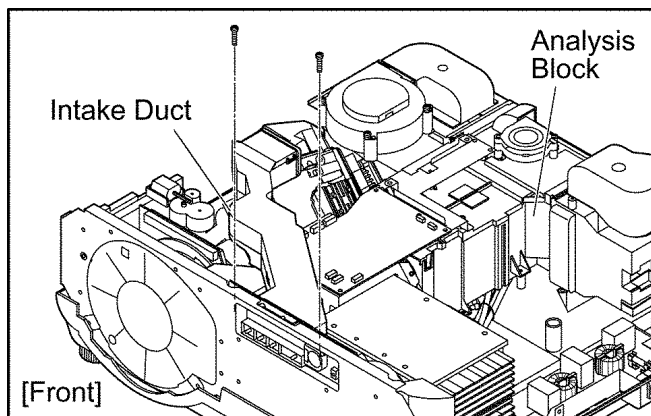


- (7) Unscrew the 4 screws and remove the ballast case cover.
- (8) Disconnect the lead wires to release the ballast-2 block.
- (9) While pressing to shut each hook of the 4 resinous stands, remove the Ballast-2 Module.

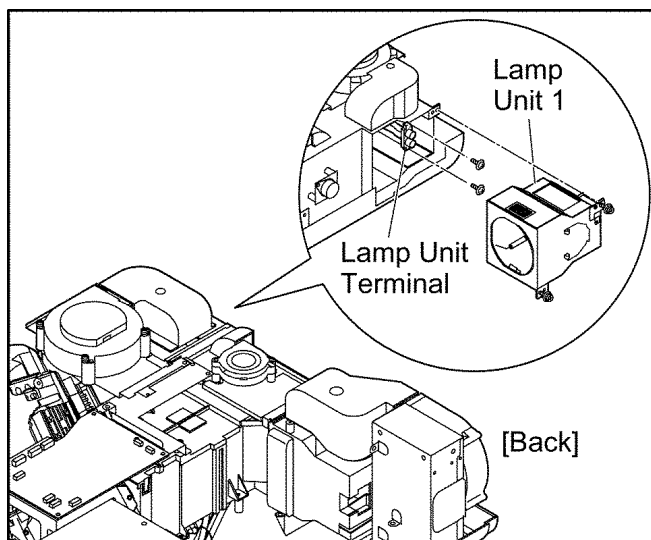


11.17. Removal of Analysis Block

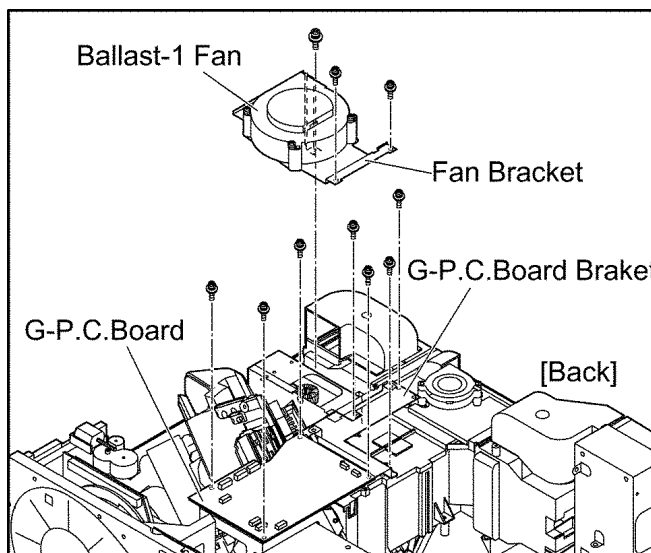
- (1) Pull out the terminal block according to the steps 1 through 6 in the section 11.6. "Removal of J-P.C.Board".
- (2) Unscrew the 2 screws and remove the intake duct.



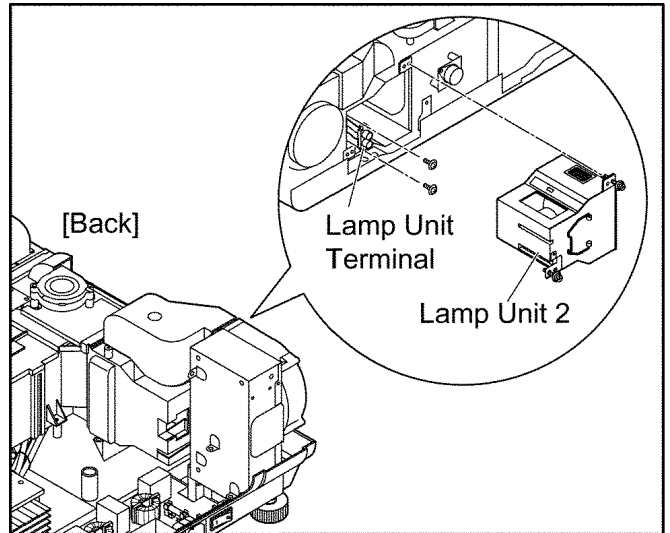
- (3) Loosen the 2 screws fixing the lamp unit until they idle and remove the lamp unit 1.
- (4) Unscrew the 2 screws fixing the lamp unit terminal for ballast-1.



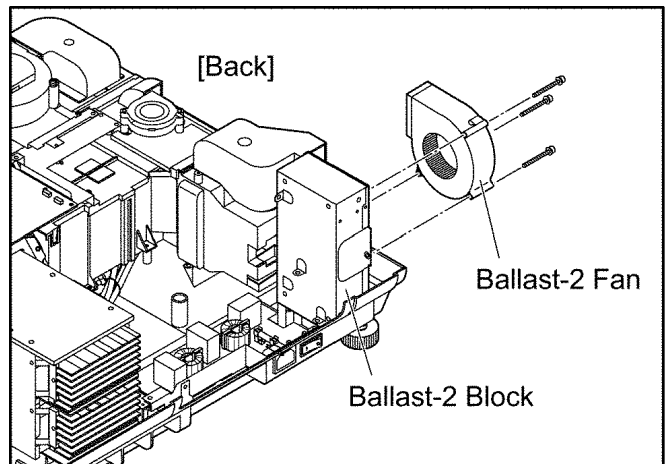
- (5) Unscrew the 3 screws and remove the fan bracket with the ballast-1 fan.
- (6) Unscrew the 4 screws and remove the G-P.C.Board.
- (7) Unscrew the 3 screws and remove the G-P.C.Board bracket.



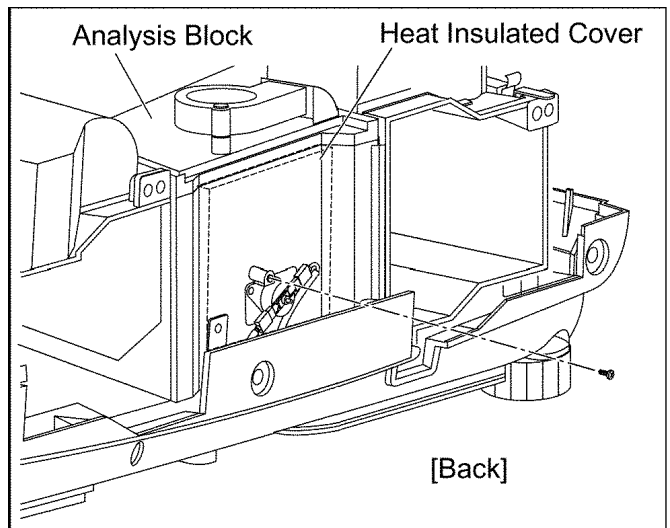
- (8) Loosen the 2 screws fixing the lamp unit until 2 they idle and remove the lamp unit 2.
- (9) Unscrew the 2 screws fixing the lamp unit terminal for ballast-2.



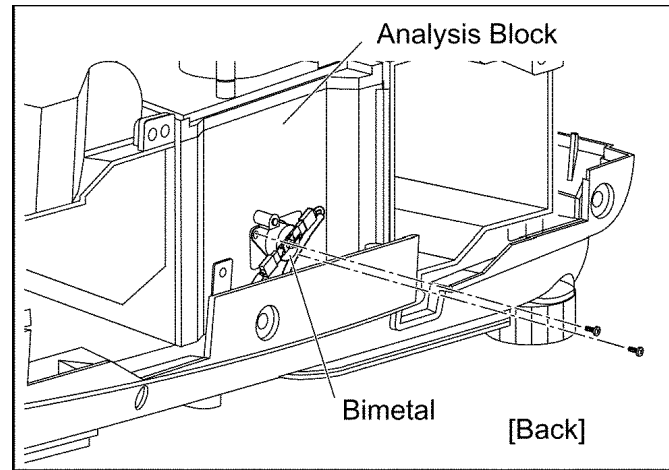
- (10) Unscrew the 3 screws and remove the ballast-2 fan.



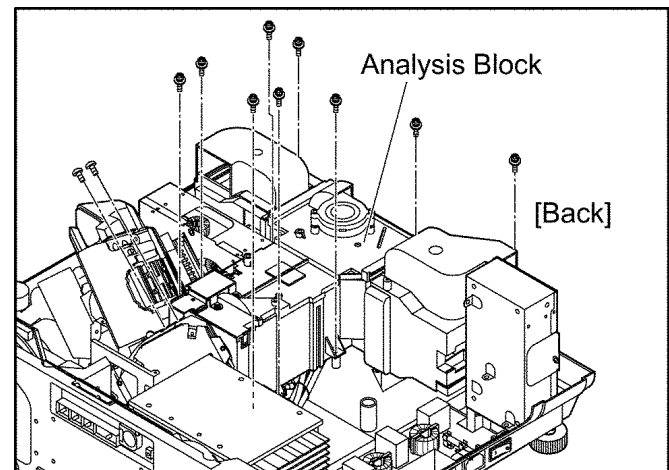
- (11) Unscrew the 1 screw and remove the heat insulated cover.



- (12) Unscrew the 2 screws and remove the bimetal.

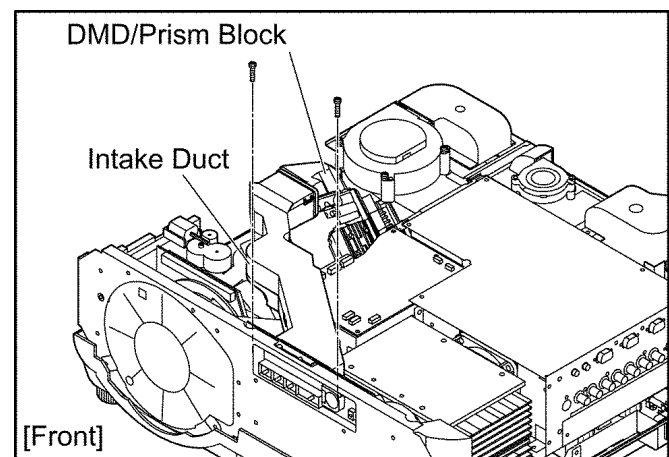


- (13) Unscrew the 11 screws and remove the analysis block.

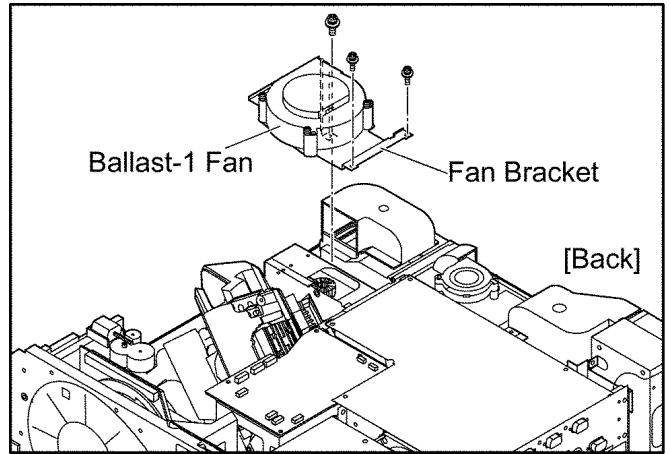


11.18. Removal of DMD / Prism Block

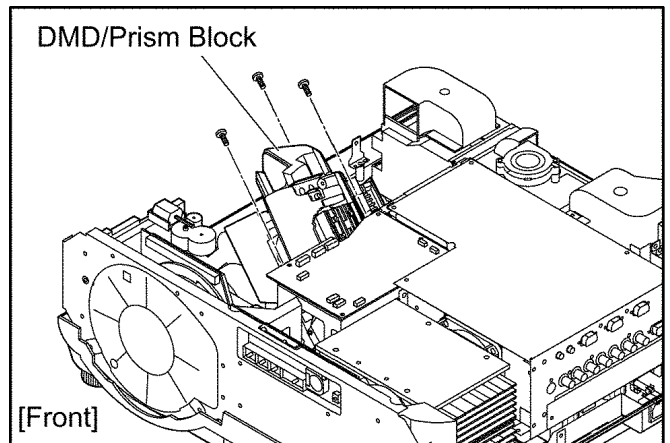
- (1) Remove the upper case according to the section 11.3. "Removal of Upper Case".
(2) Unscrew the 2 screws and remove the intake duct.



- (3) Unscrew the 3 screws and remove the fan bracket with the ballast-1 fan.



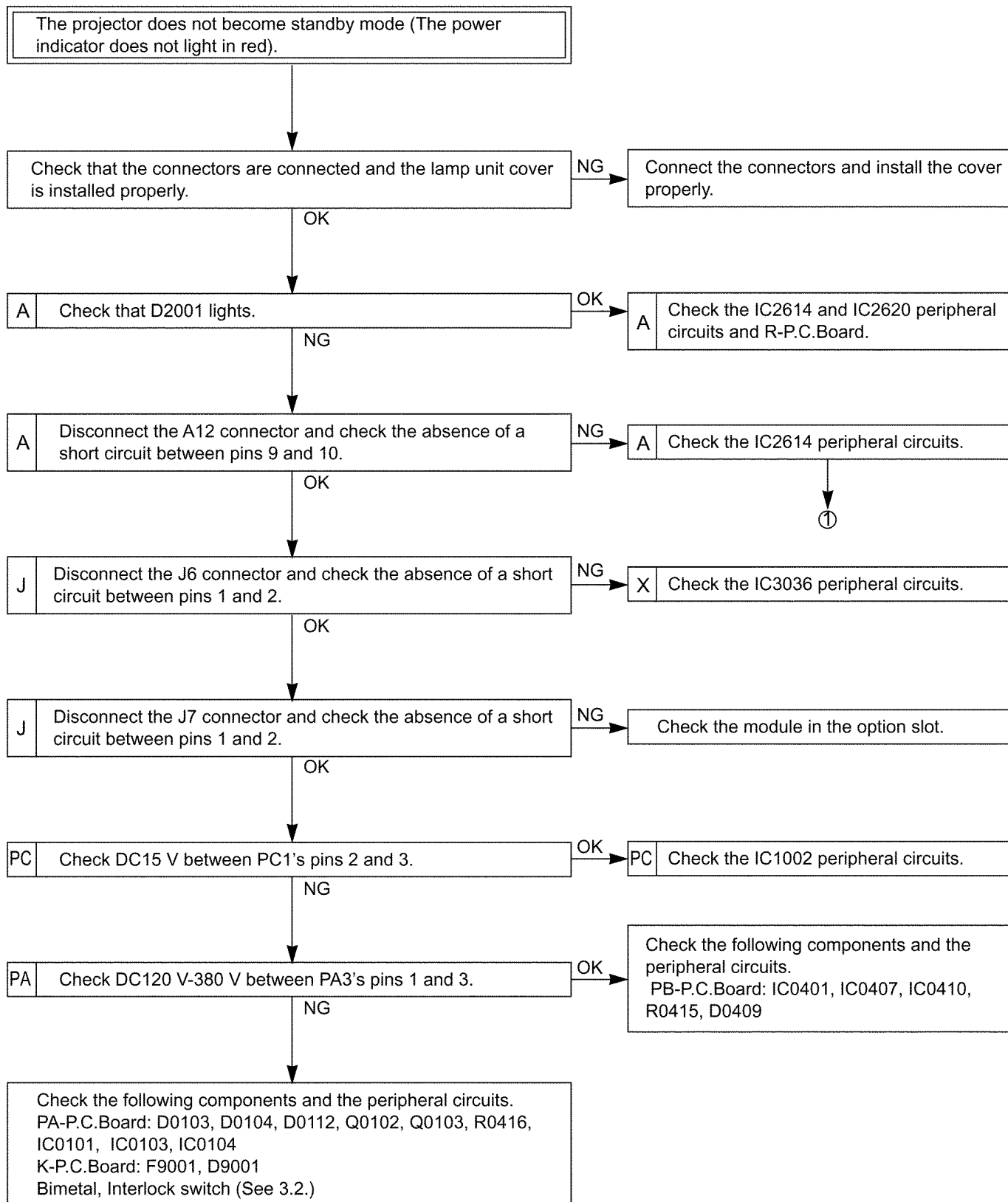
- (4) Disconnect the connector on the DMD/Prism block.
(5) Unscrew the 3 hexagon socket screws and remove the DMD/Prism block.

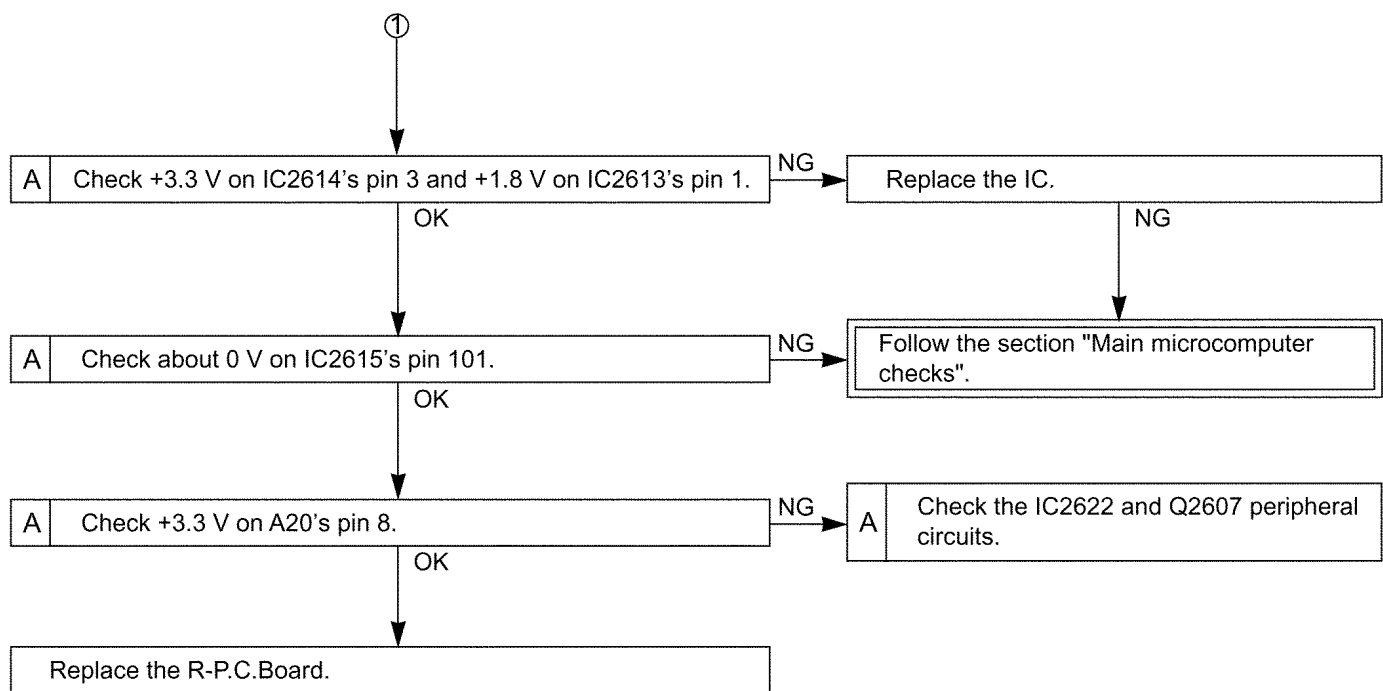


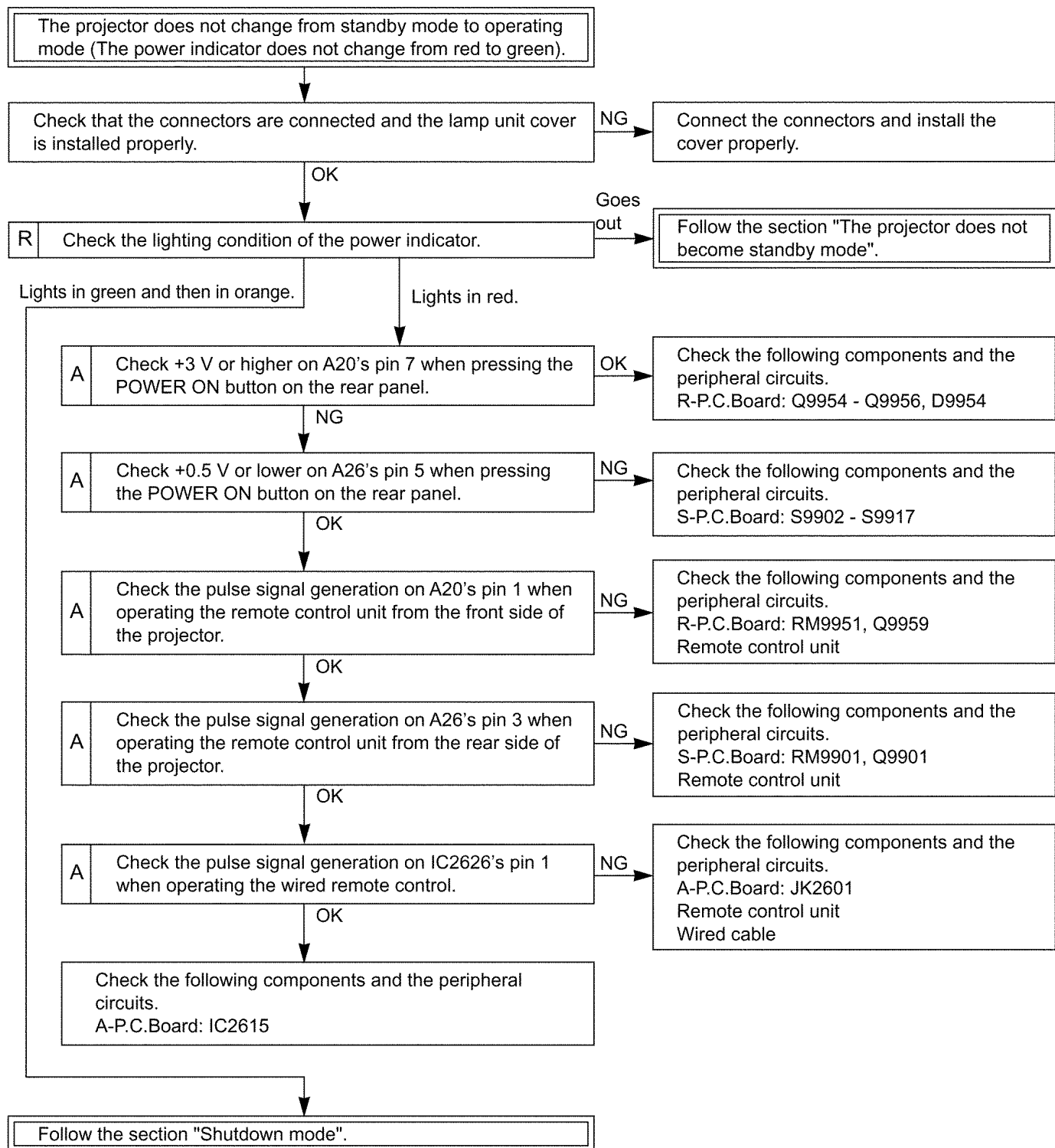
12 Troubleshooting

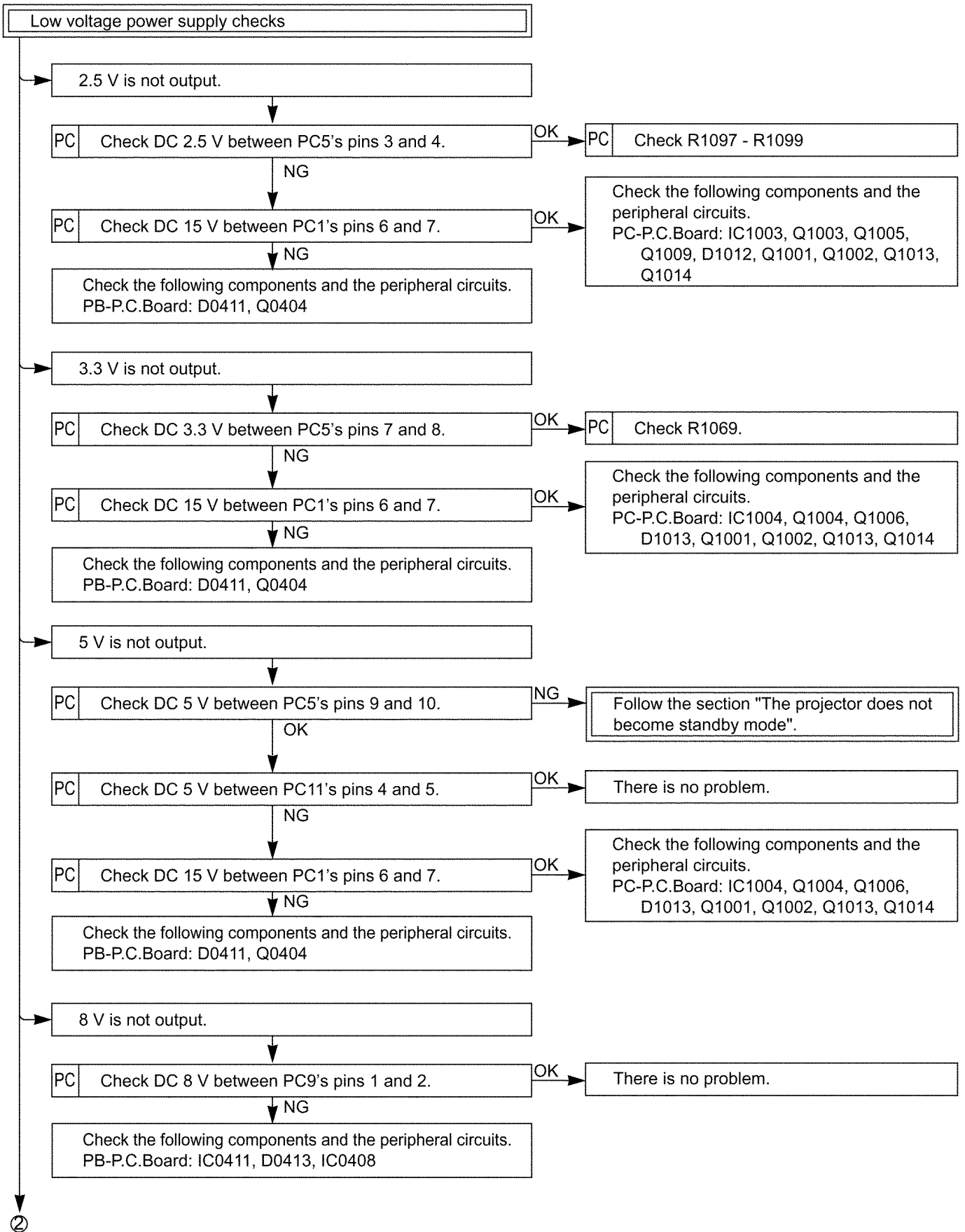
The alphabets in the left box of the inspection items indicate the names of P.C.Boards or modules to be checked.

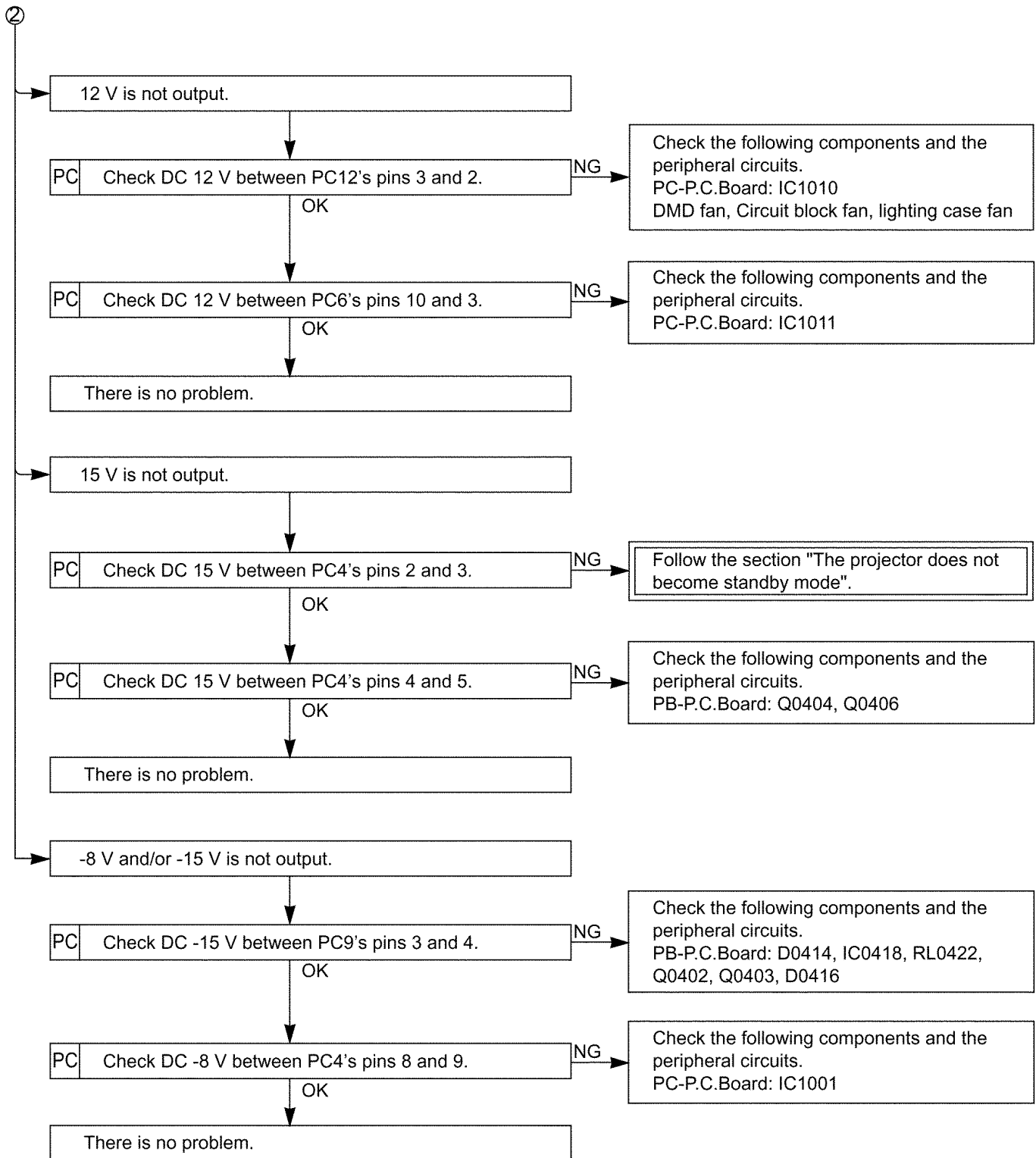
12.1. Power Supply Checks

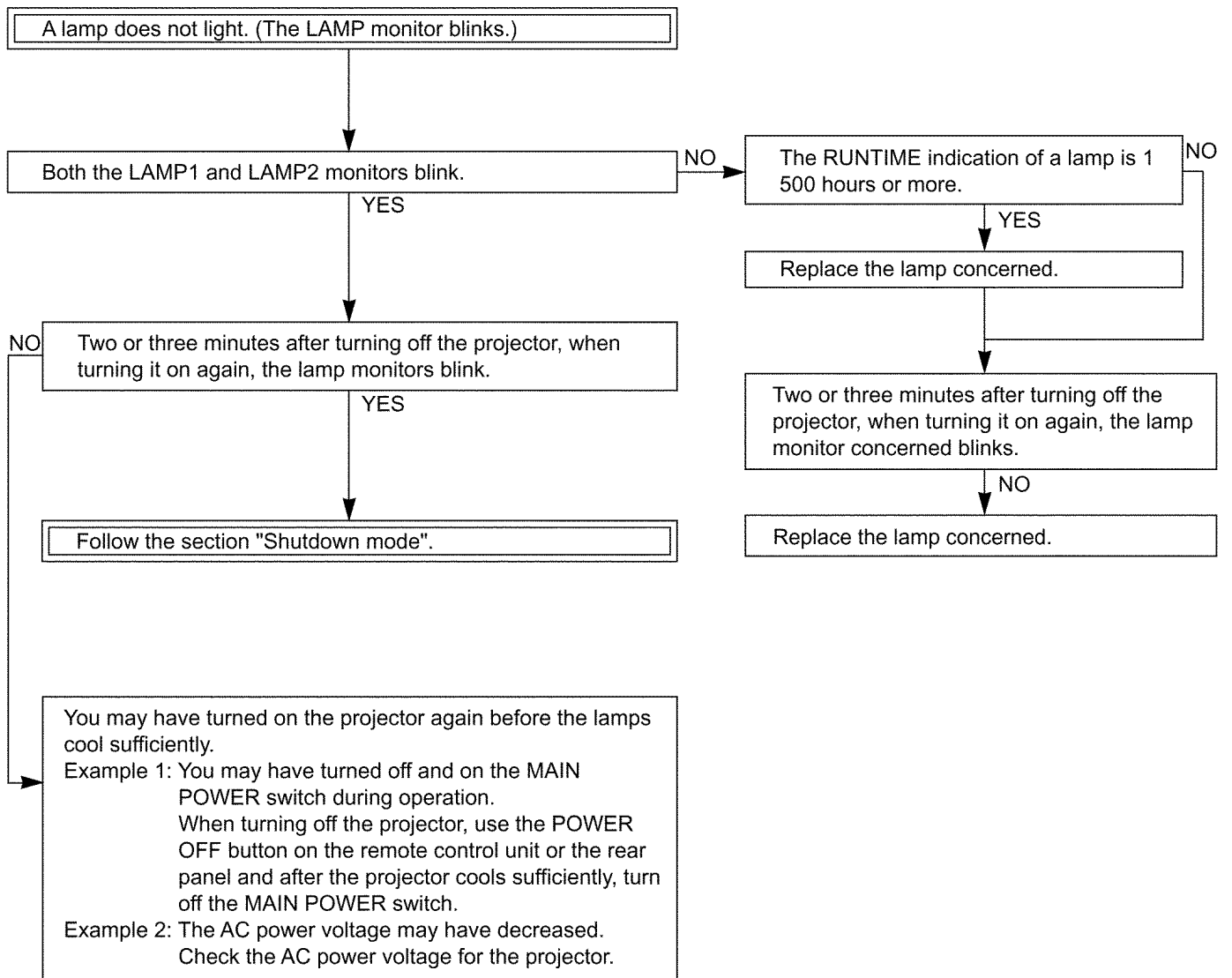


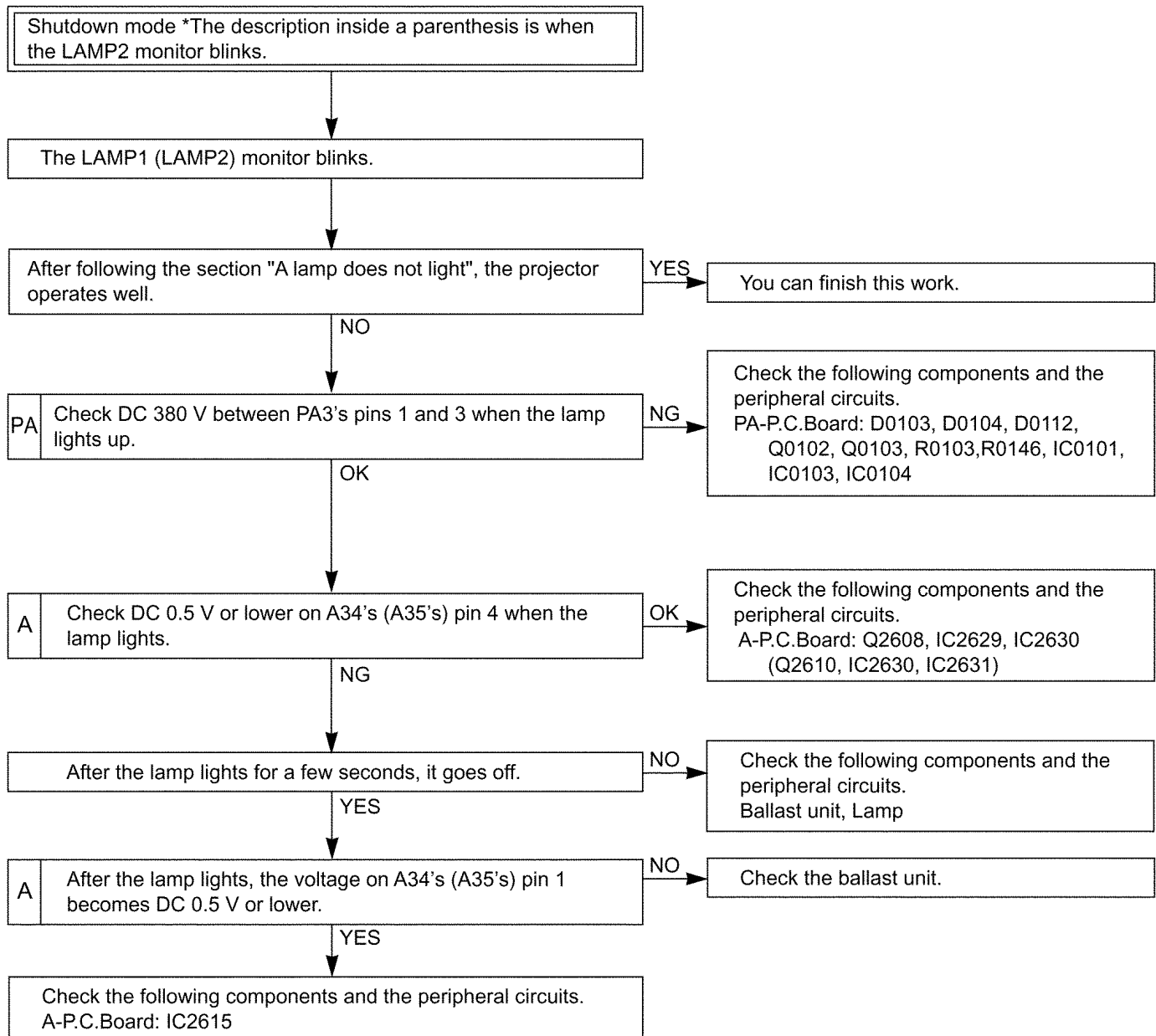


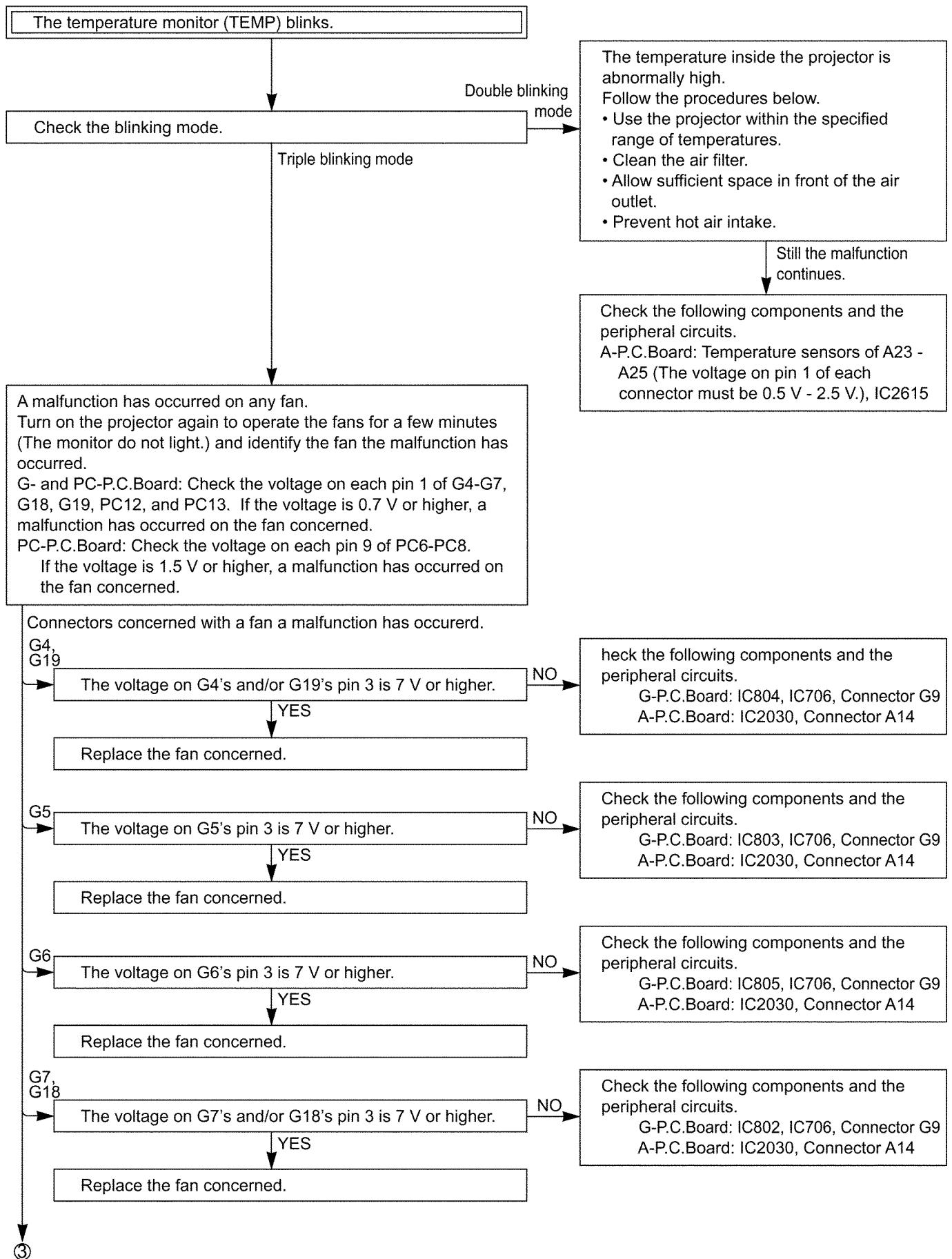


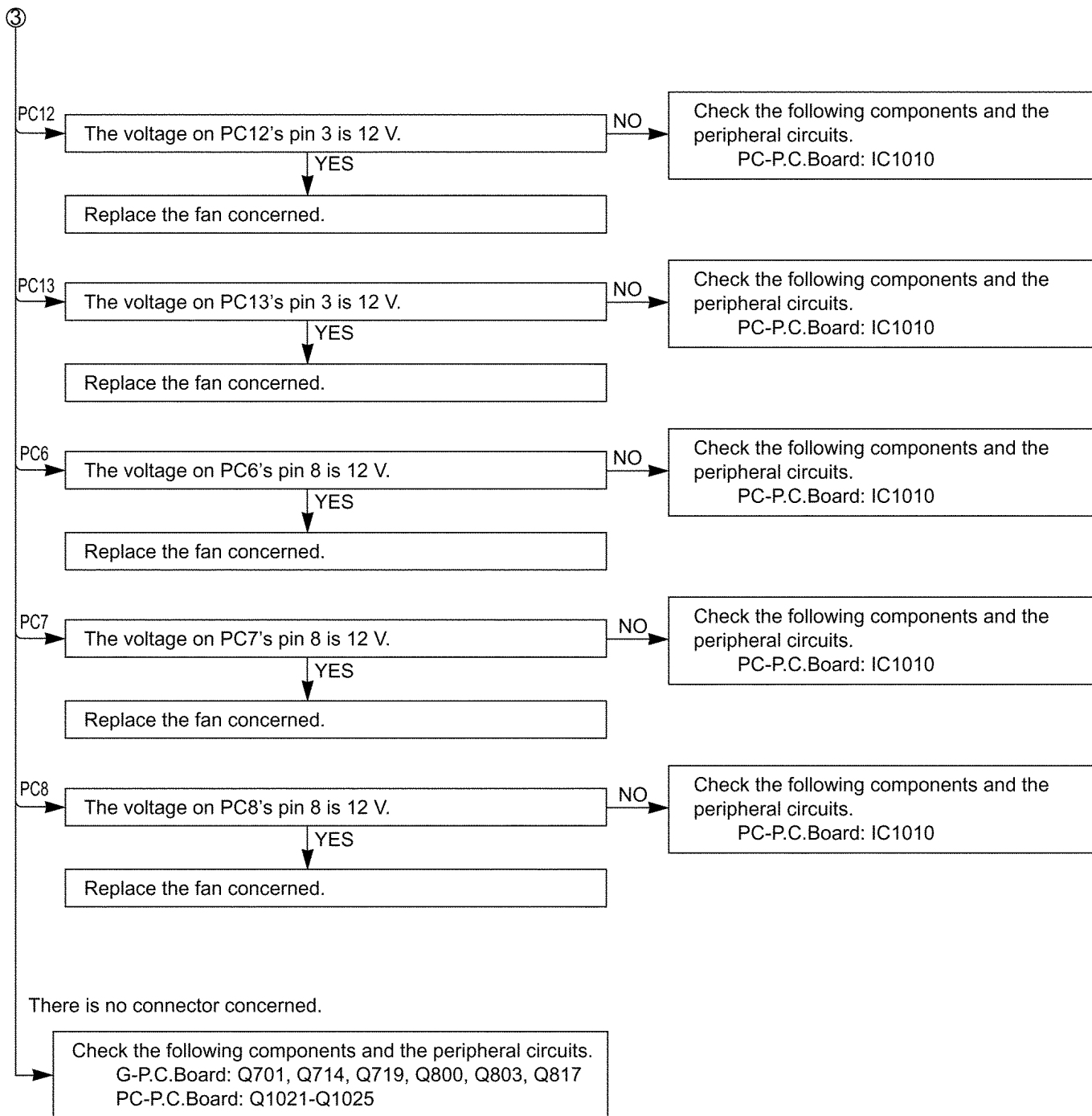




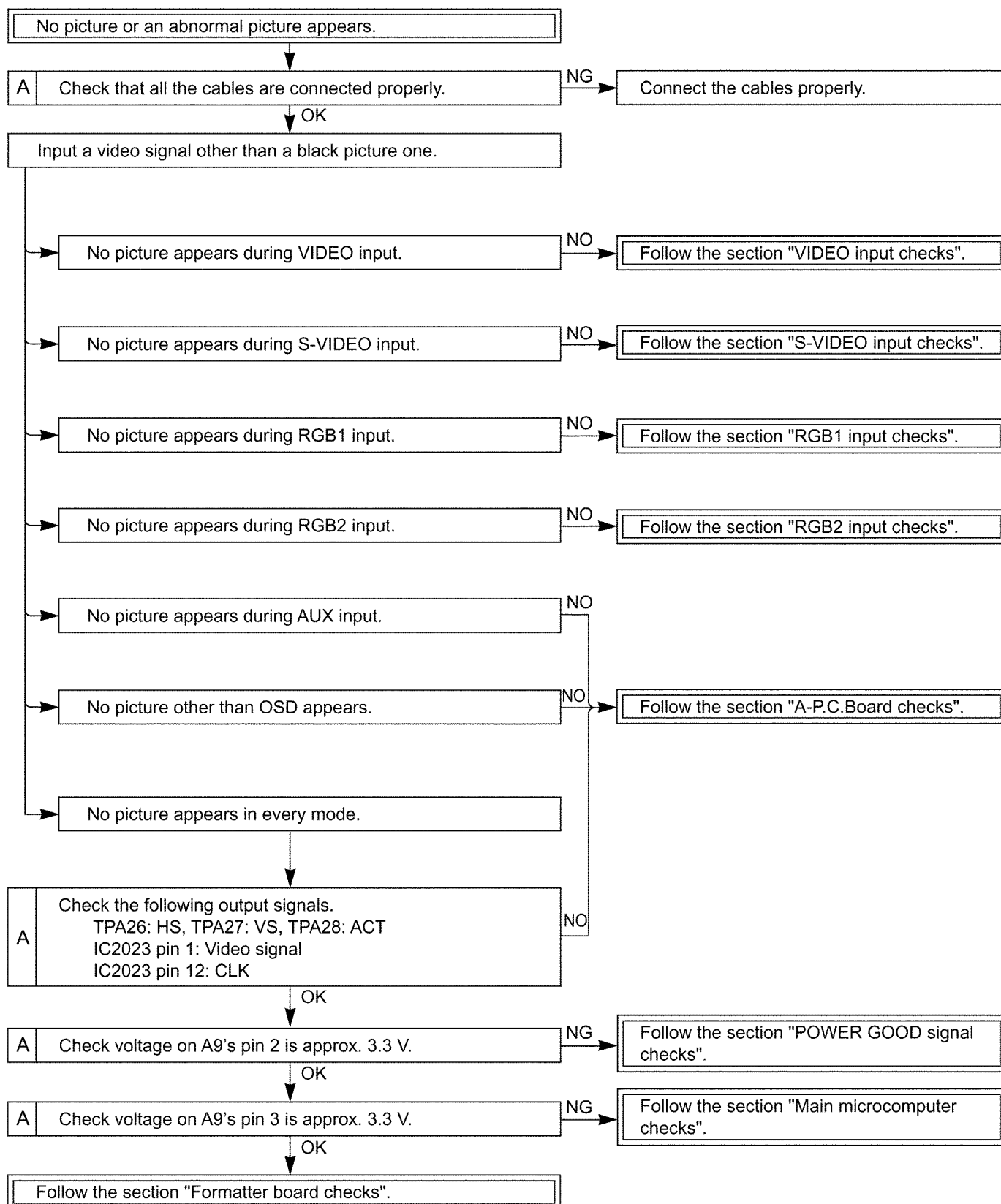


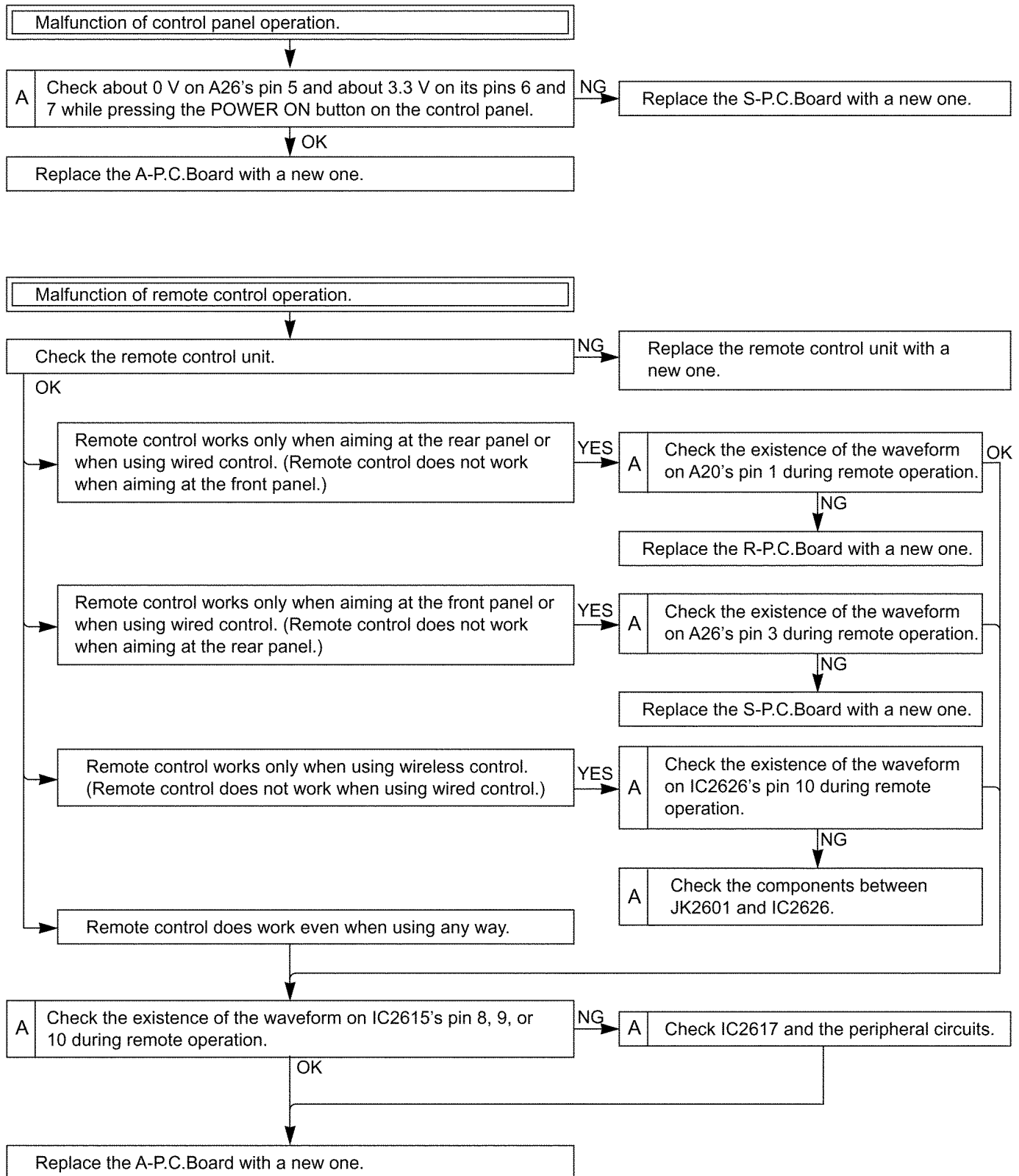


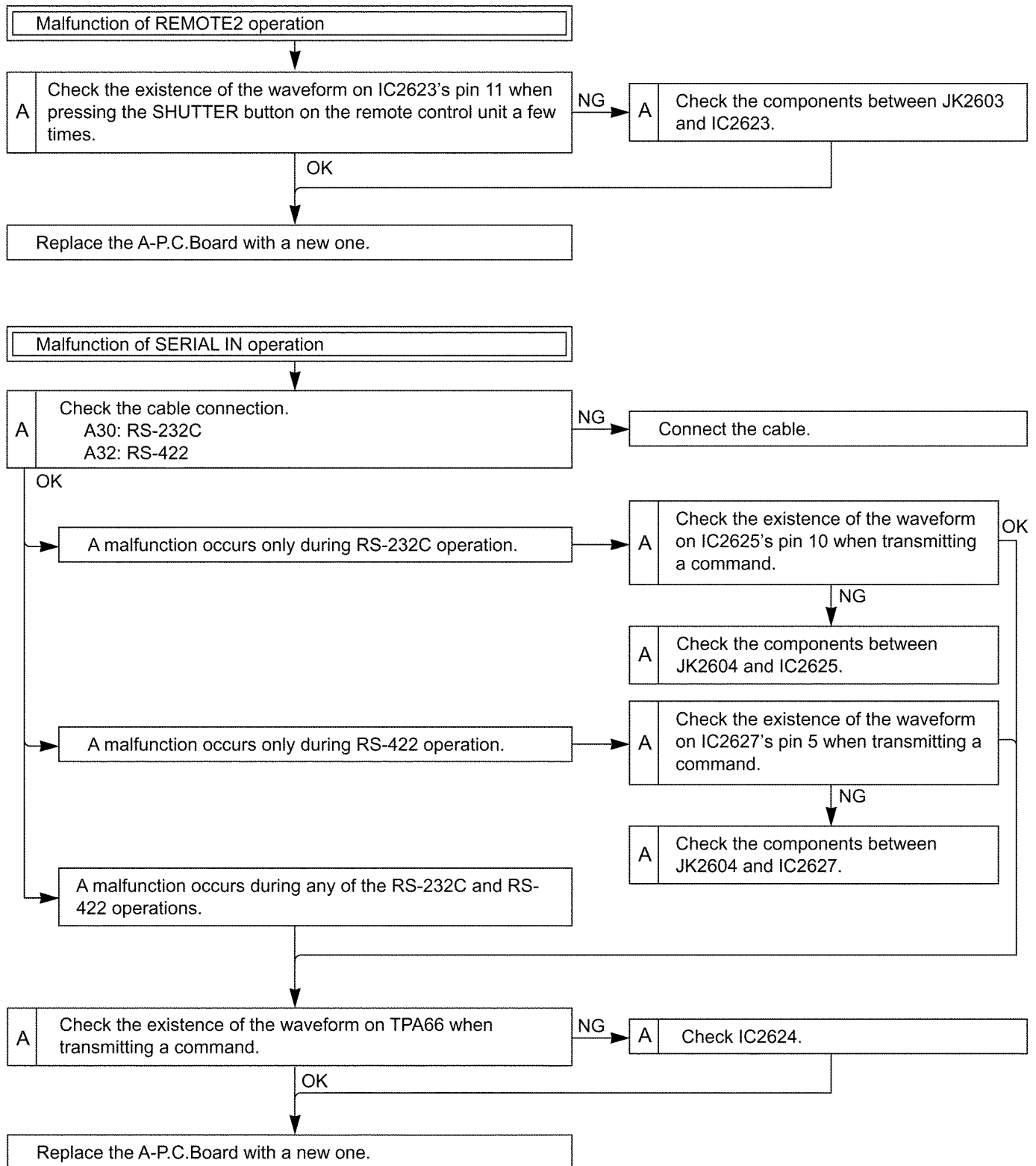


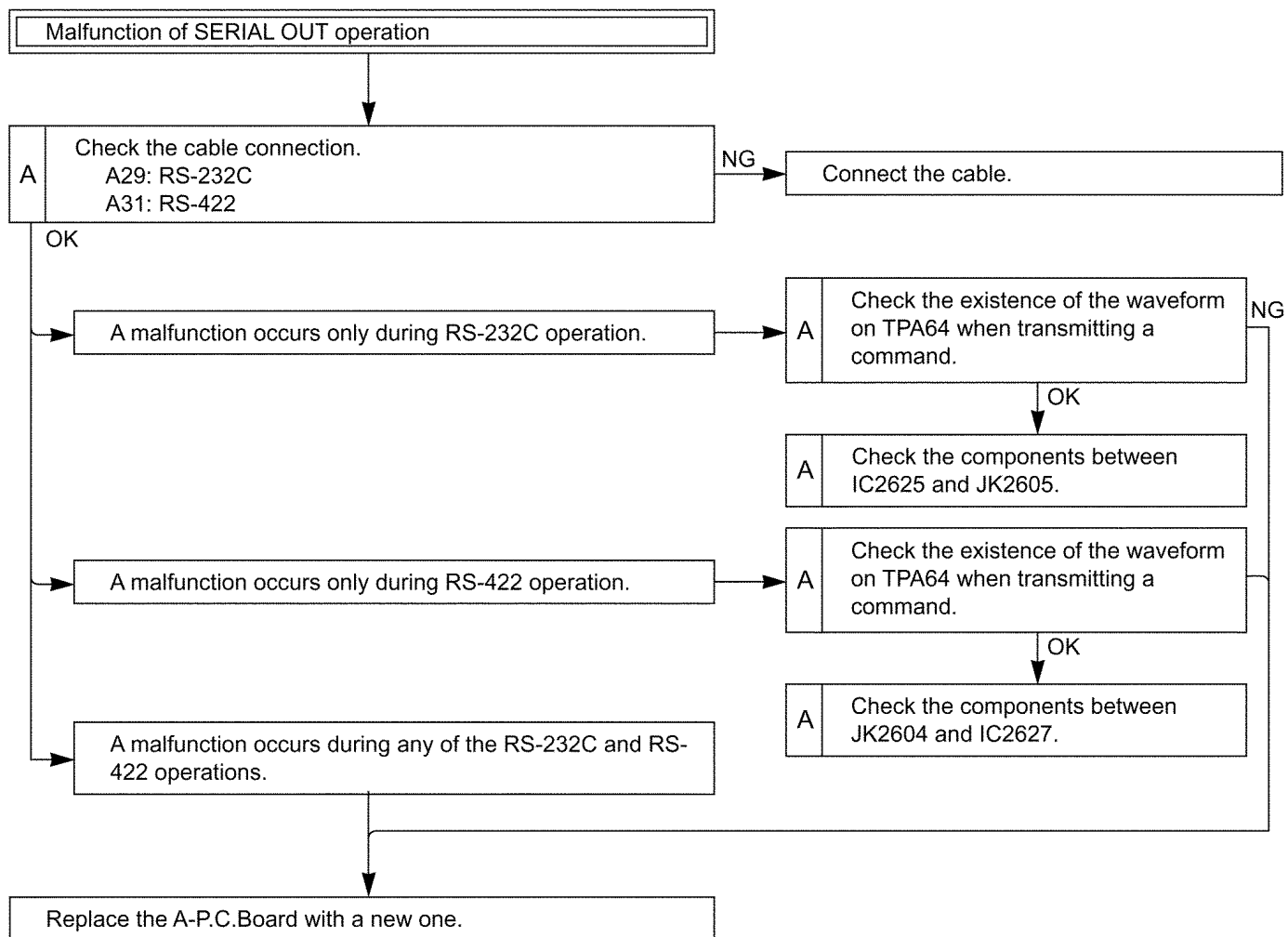


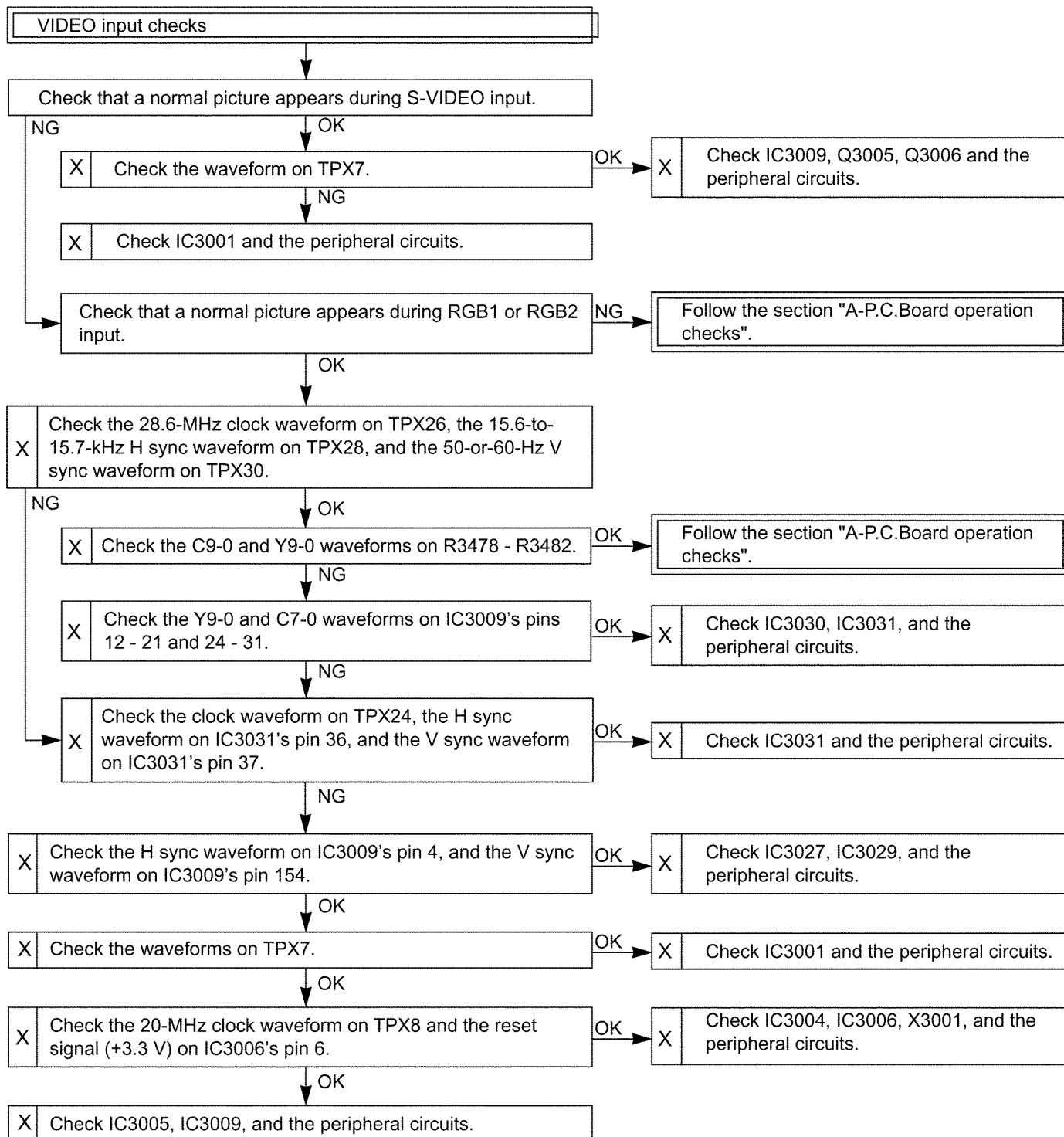
12.2. Signal Processing Circuit Checks







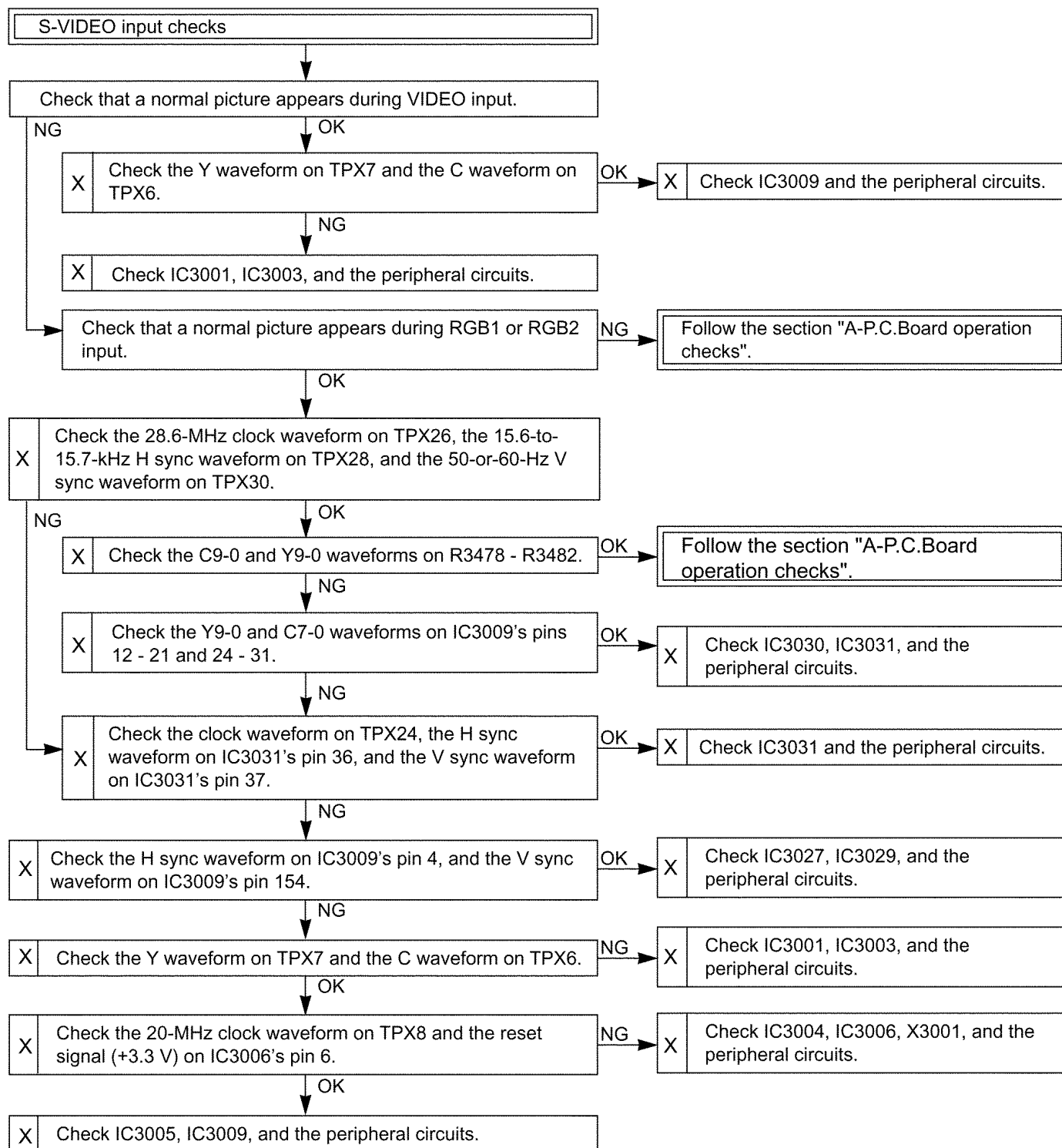


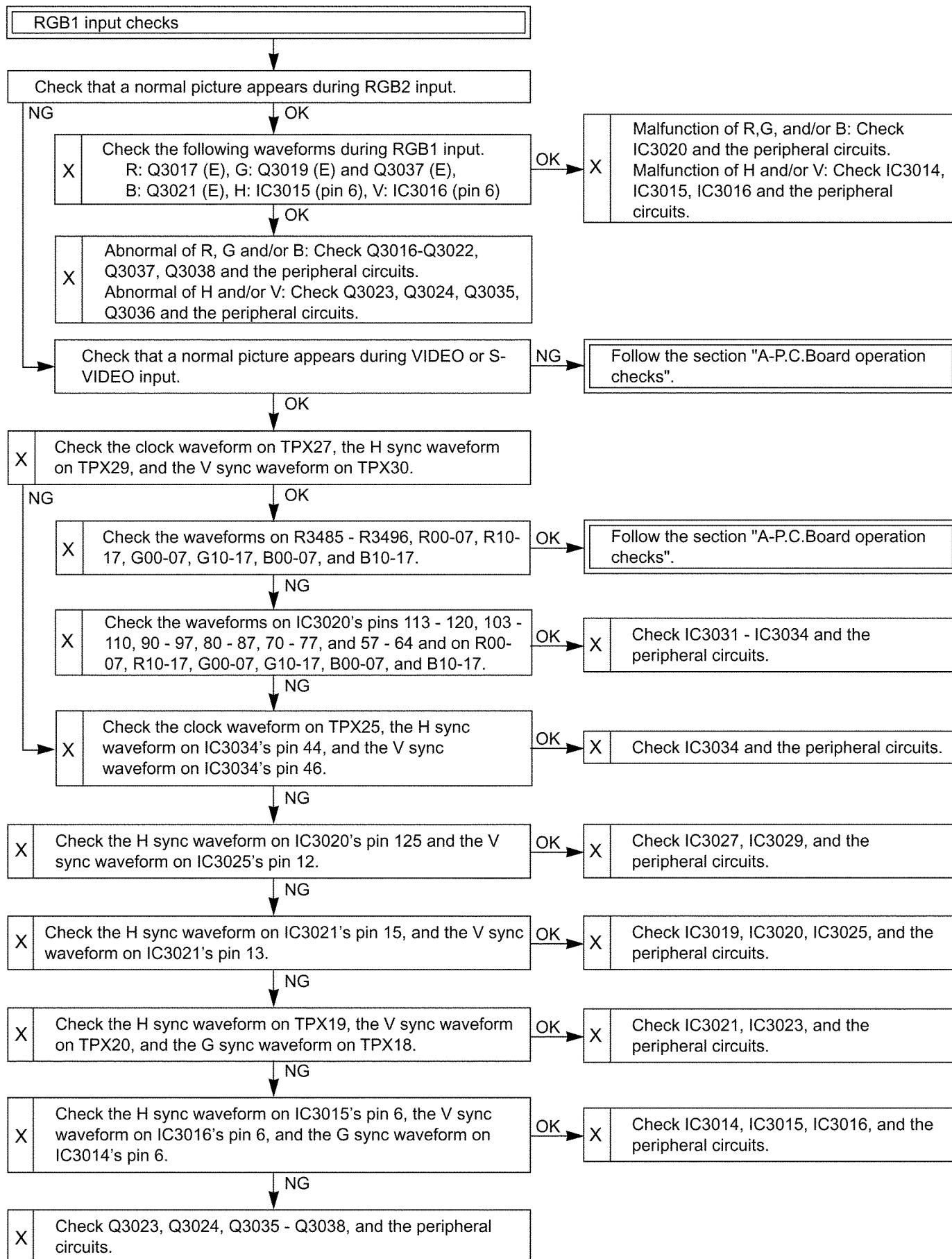


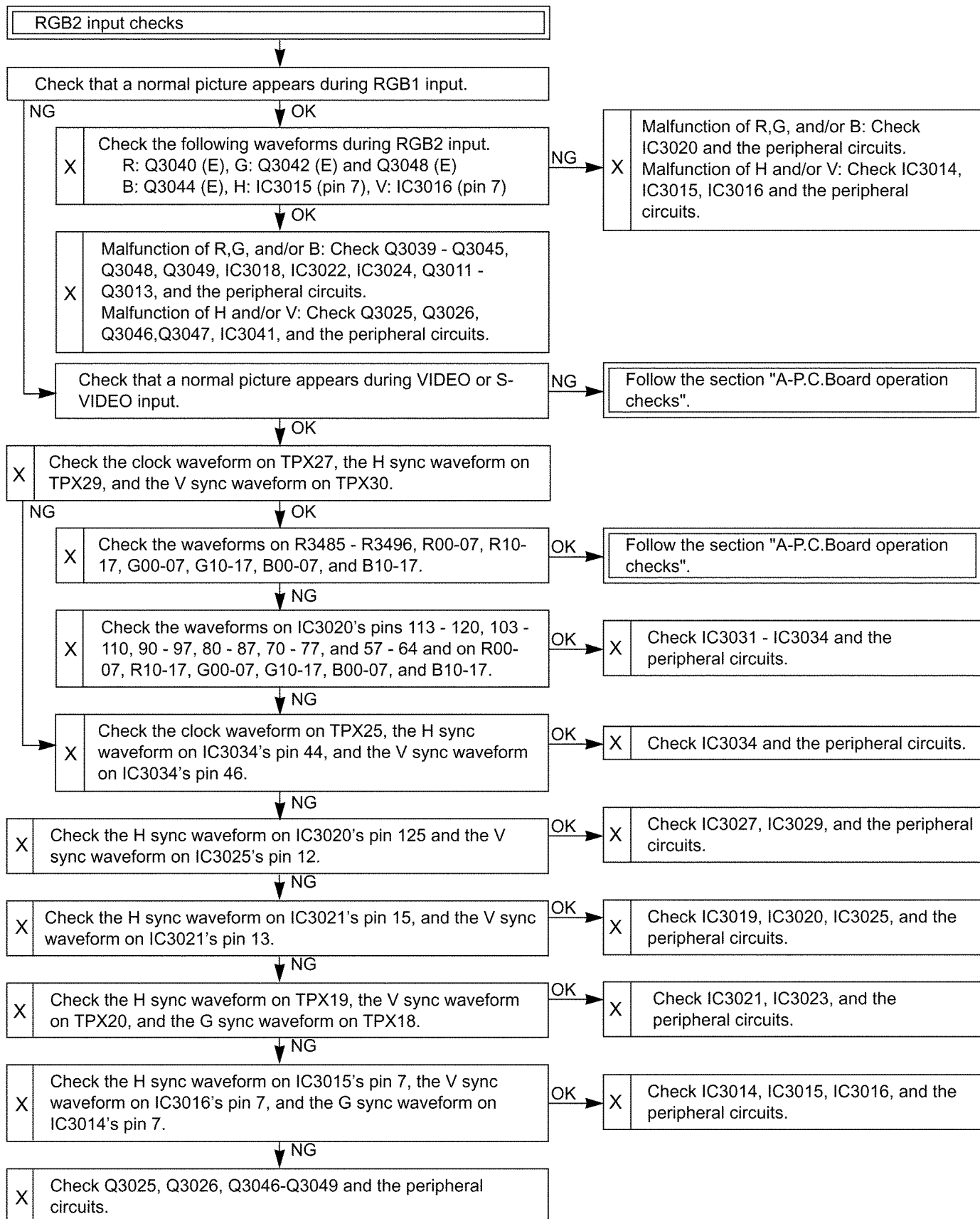
Note for LED (D3041) on the X-P.C.Board

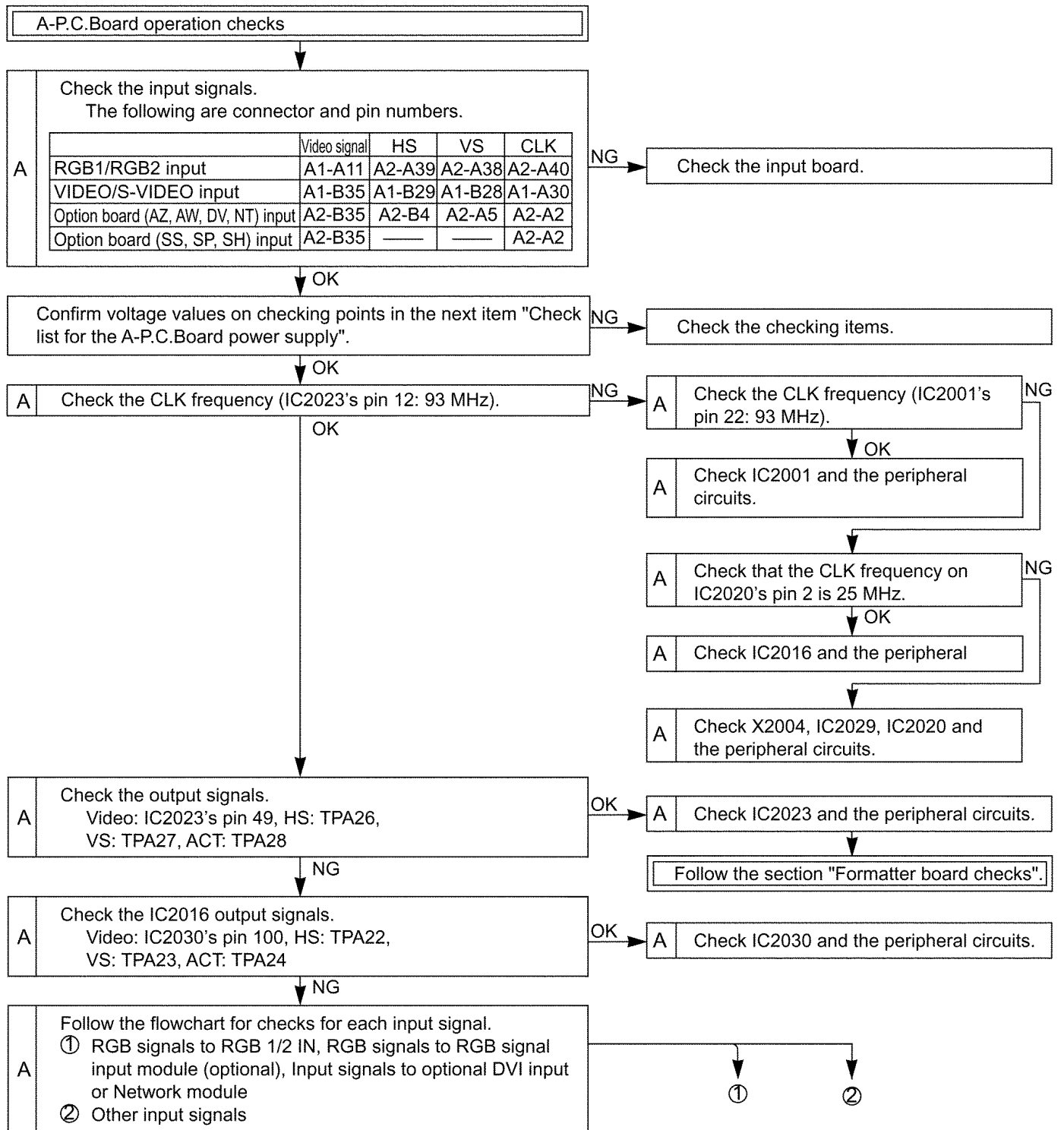
This LED starts to blink when the X-P.C.Board starts working properly. The number of times it blinks depends on the video system of VIDEO or S-VIDEO.

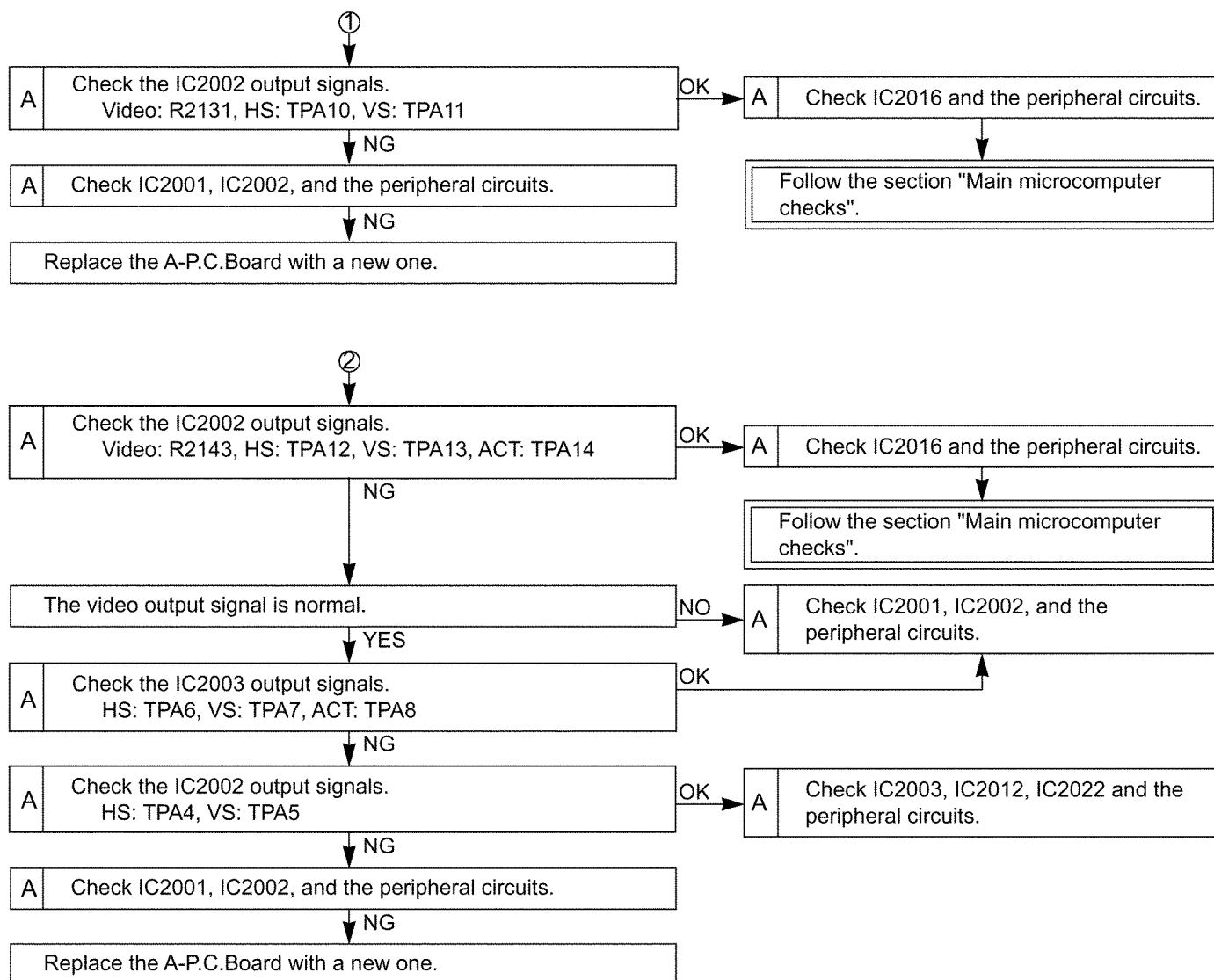
one time: NTSC, two times: PAL-M, three times: PAL-N, four times: PAL
 five times: SECAM, six times: NTSC4.43, seven times: black and white
 eight times: PAL60











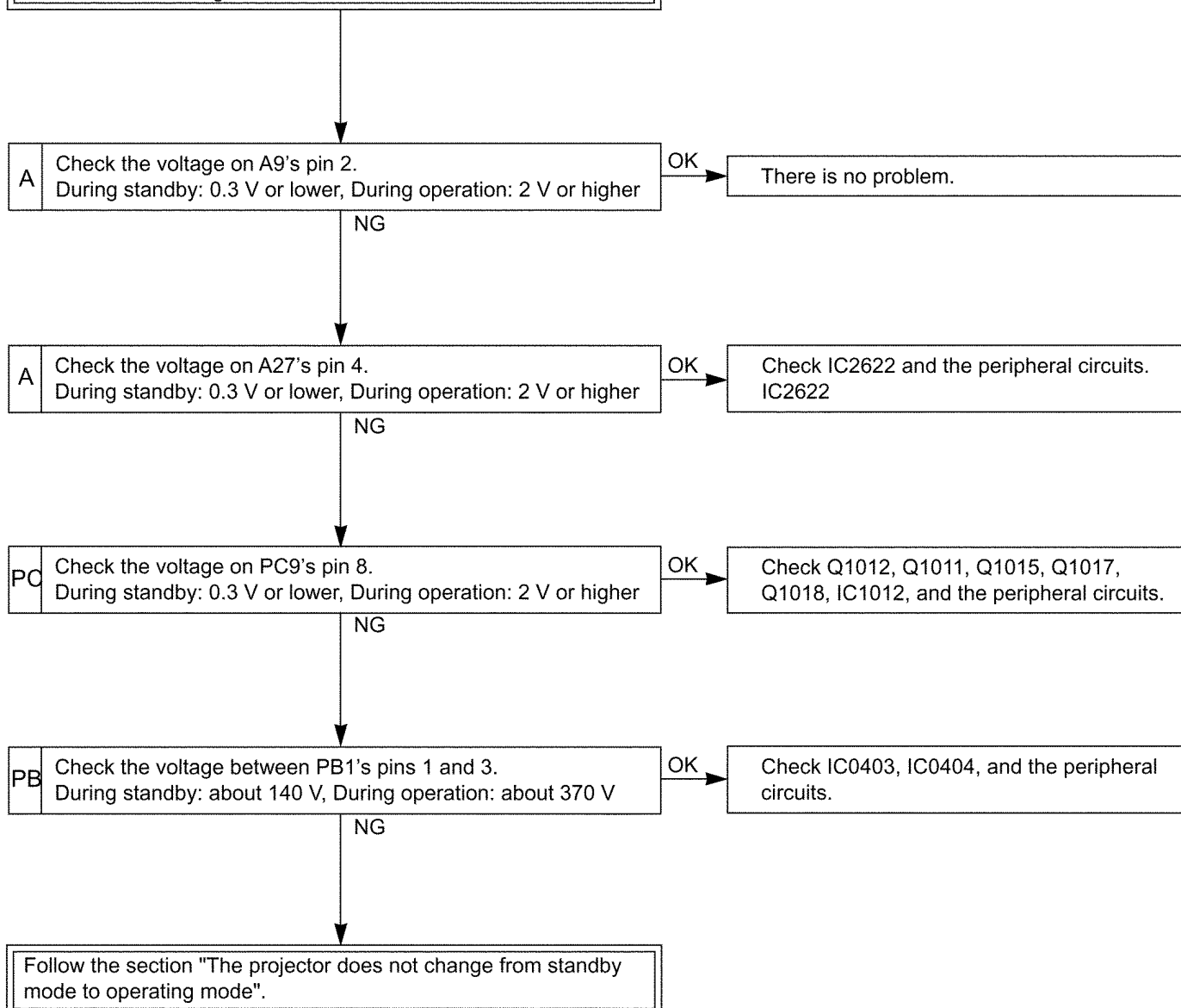
Note for LEDs on the A-P.C.Board

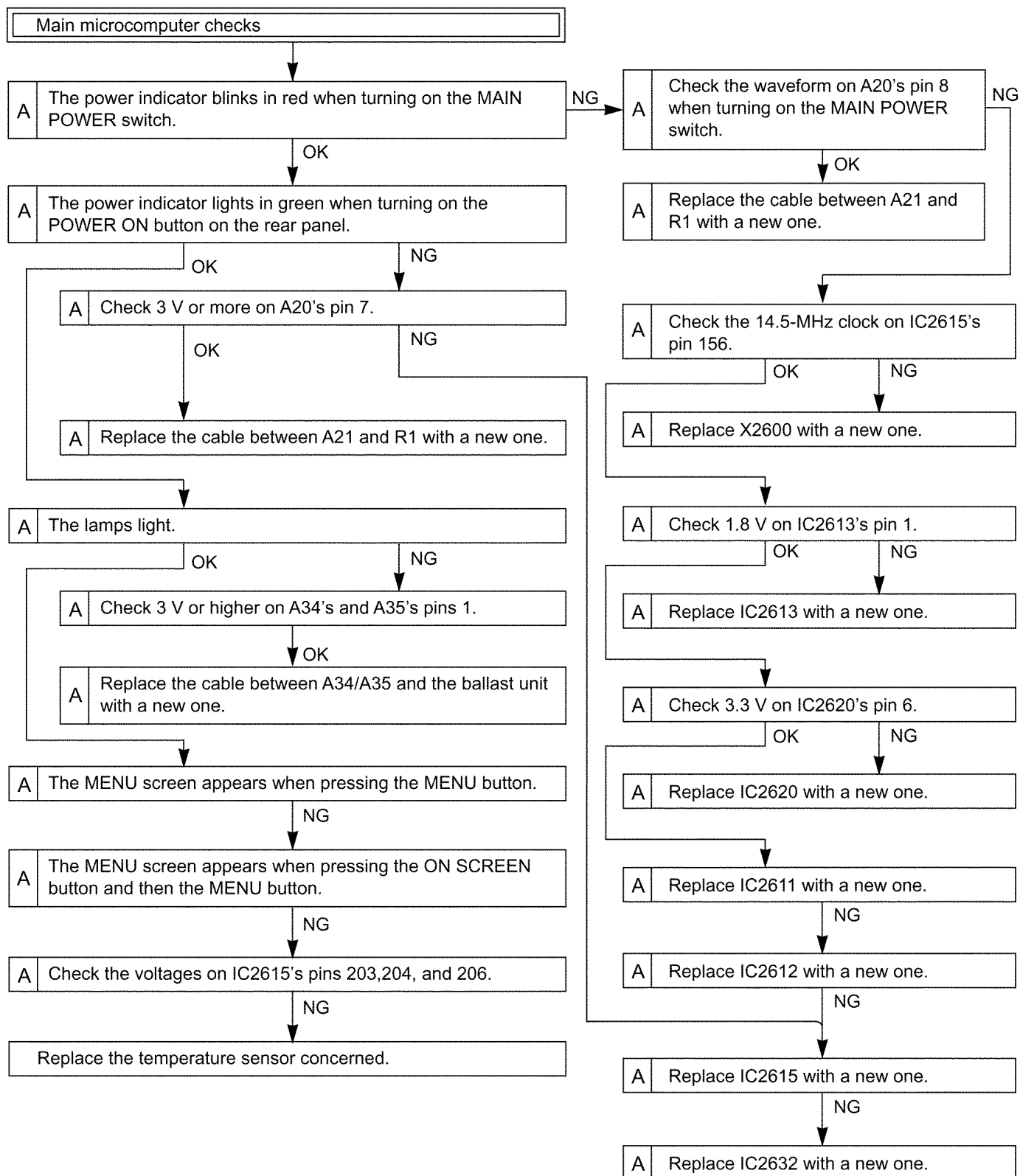
- D2001 indicates the conditions of STB+5 V.
Lights: Normal operation
Not light: Abnormal operation
- D2002 indicates the conditions of +3.3 V.
Lights: Normal operation
Not light: Abnormal operation
- D2003 indicates the conditions of +2.5 V.
Lights: Normal operation
Not light: Abnormal operation
- No LED lights.
The power supply block can have been damaged, so replace or repair it.
- Any of the LEDs does not light.
The protection semiconductor devices can contain a broken wire, so replace or repair the A-P.C.Board.
- D2621 indicates the SERIAL IN format.
Green: RS-232C
Red: RS-422
- D2622 indicates the SERIAL OUT format.
Green: RS-232C
Red: RS-422

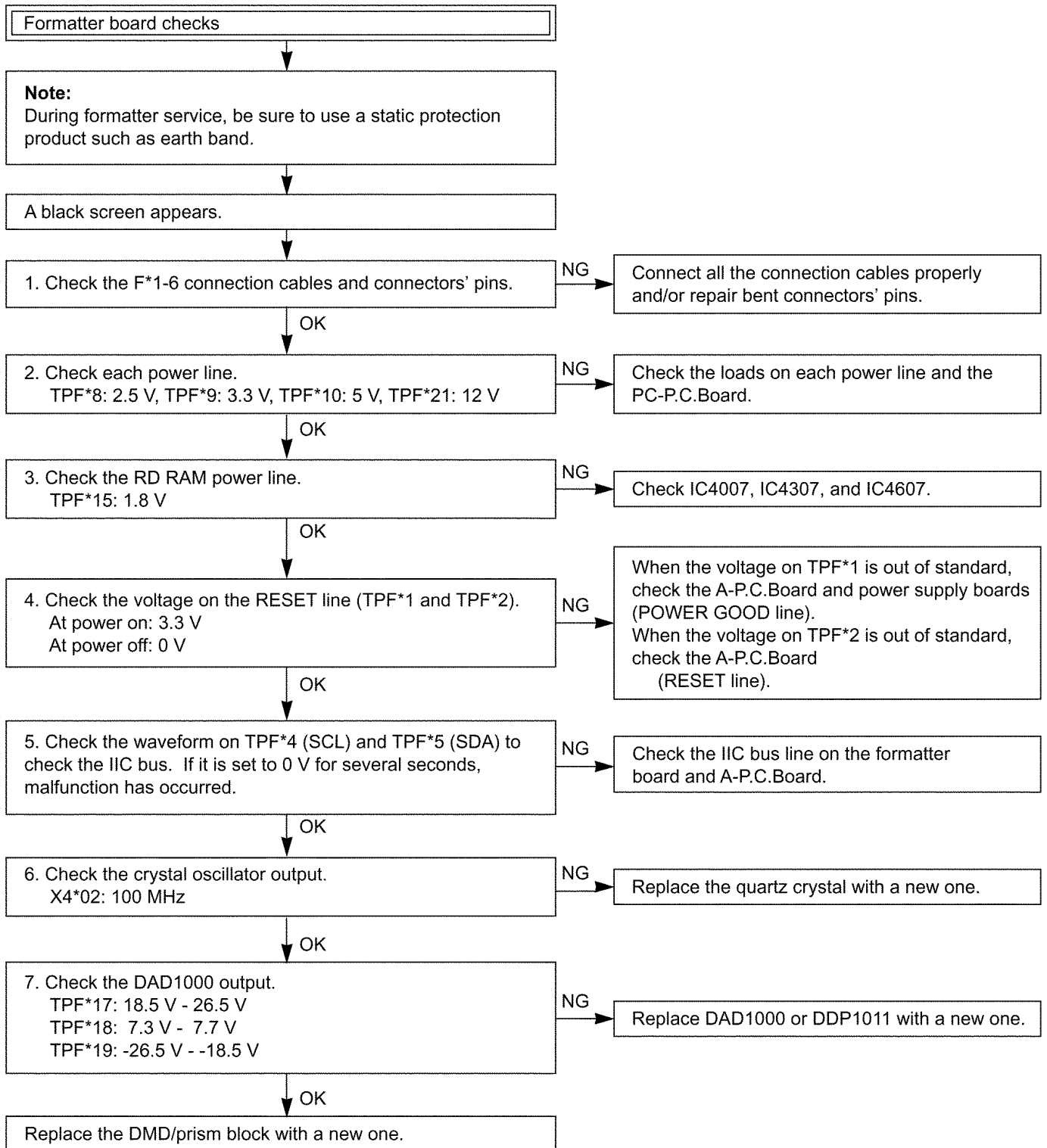
Check list for the A-P.C.Board power supply

No.	Checking point	Voltage	Checking items
1	A12's pin 9	+5V	Power supply circuit
2	A12's pin 6	+3.3V	Power supply circuit
3	A12's pin 2	+2.5V	Power supply circuit
4	IC2028's pin 3	+1.8V	IC2028 and the peripheral circuit
5	IC2018's pin 3	+1.5V	IC2018 and the peripheral circuit
6	IC2019's pin 8	+1.25V	IC2019 and the peripheral circuit
7	IC2014's pin 1	+1.8V	IC2014 and the peripheral circuit
8	IC2025's pin 3	+1.2V	IC2025 and the peripheral circuit

POWER GOOD signal checks







Interconnection Block Diagram (2/3)

Vertical Connector Strip (Left): Pins A1 through A50. A1 is labeled K1KAA0A00088. A2 is labeled K1KA80A00080. A12 is labeled with various voltage levels: GND, 2.5V, 2.5V, GND, 3.3V, 3.3V, GND, STB5V, GND.

Remote Control Connections:

- JK2601 K2HC103B0095 REMOTE1 IN:** Connected to A1-A10.
- JK2602 K2HC103B0095 REMOTE1 OUT:** Connected to A11-A20.
- JK2603 K1FB109B0058 REMOTE2 IN:** Connected to A21-A30.
- JK2604 K1FB109B0058 RS232C/422 IN:** Connected to A31-A40.
- JK2605 K1FA109B0042 RS232C/422 OUT:** Connected to A41-A50.

Board Connections:

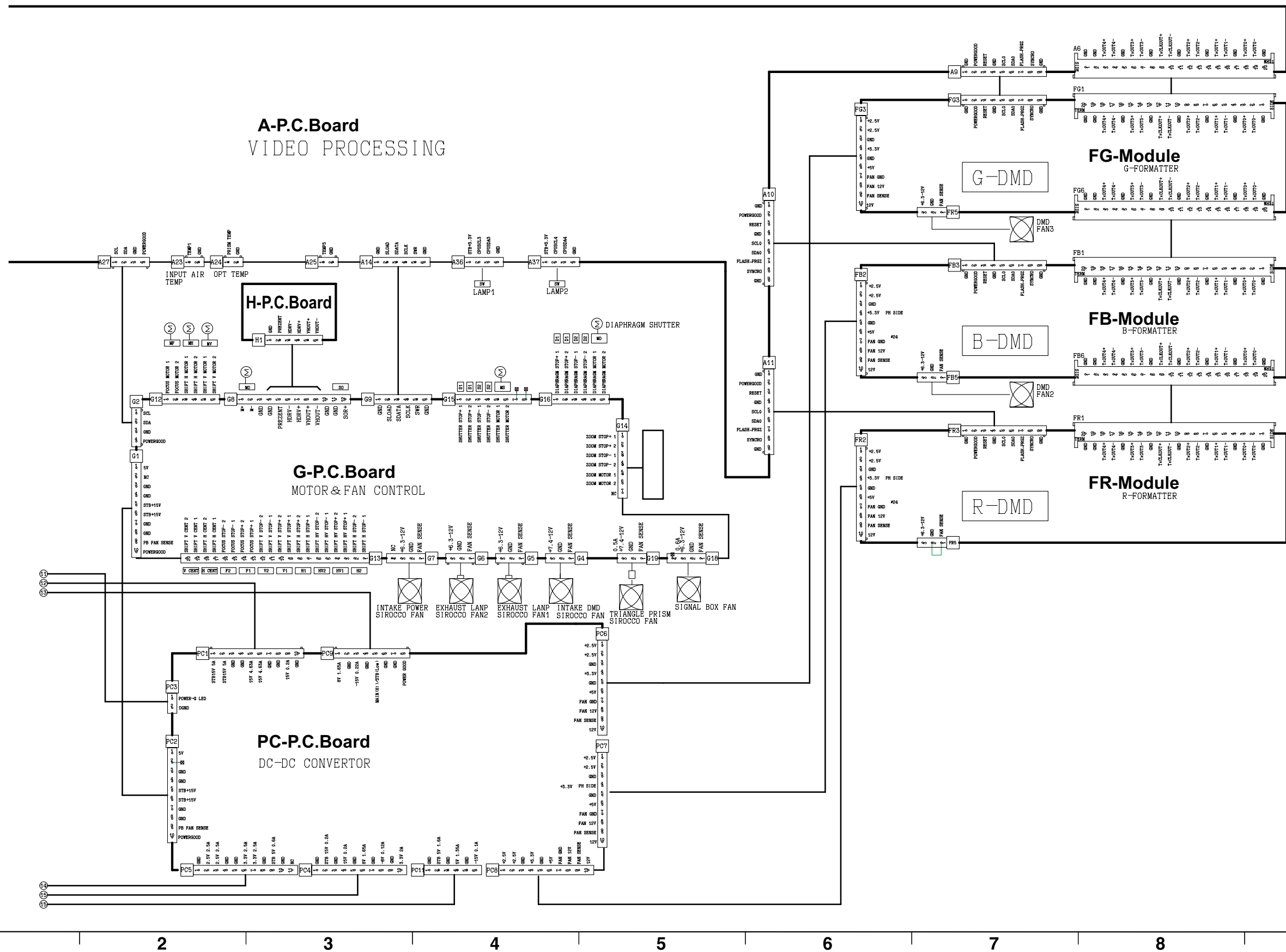
- A-P.C. Board (VIDEO PROCESSING):**
 - Inputs: RS232C OUT, RS422 OUT, RS232C IN, RS422 IN.
 - Outputs: RS232C OUT, RS422 OUT, RS232C IN, RS422 IN.
- R-P.C. Board (LED PANEL):**
 - Inputs: REMOTE1, STB-HV, STB-V, REMT2, KEYSCAN1, KEYSCAN2, KEYSCAN3, POWER-1 LED, POWER-2 LED, BATTERY.
 - Outputs: REMT1, STB-HV, STB-V, REMT2, KEYSCAN1, KEYSCAN2, KEYSCAN3, POWER-1 LED, POWER-2 LED, BATTERY.
- S-P.C. Board (CONTROL PANEL):**
 - Inputs: STB-HV, STB-V, REMT2, KEYSCAN1, KEYSCAN2, KEYSCAN3.
 - Outputs: STB-HV, STB-V, REMT2, KEYSCAN1, KEYSCAN2, KEYSCAN3.
- K-P.C. Board (LINE FILTER):**
 - Inputs: AC CORD, P18.
 - Outputs: P18.
- PA-P.C. Board (PFC):**
 - Inputs: PFC ON-OFF, DC380V, NC, H-COM, 15V.
 - Outputs: PFC ON-OFF, DC380V, NC, H-COM, 15V.
- PB-P.C. Board (LOW B POWER):**
 - Inputs: PFC ON-OFF, DC380V, NC, H-COM, 15V.
 - Outputs: PFC ON-OFF, DC380V, NC, H-COM, 15V.

Other Components:

- BALLAST1:** Connected to A26, A27, A28, A29, A30, A31, A32, A33, A34, A35, A36, A37, A38, A39, A40, A41, A42, A43, A44, A45, A46, A47, A48, A49, A50.
- BALLAST2:** Connected to A26, A27, A28, A29, A30, A31, A32, A33, A34, A35, A36, A37, A38, A39, A40, A41, A42, A43, A44, A45, A46, A47, A48, A49, A50.

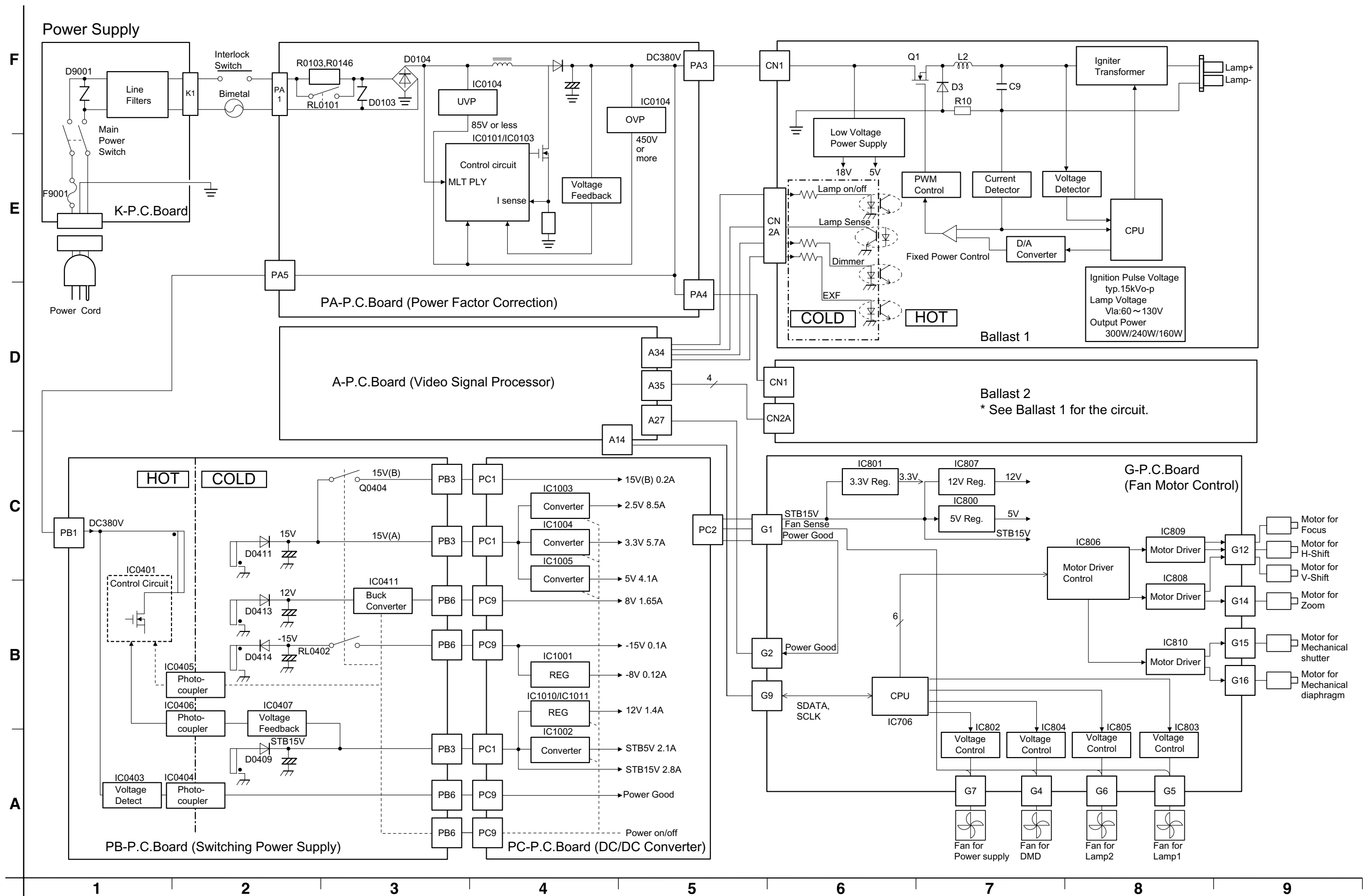
13.3. Interconnection Block Diagram (3 / 3)

Interconnection Block Diagram (3/3)

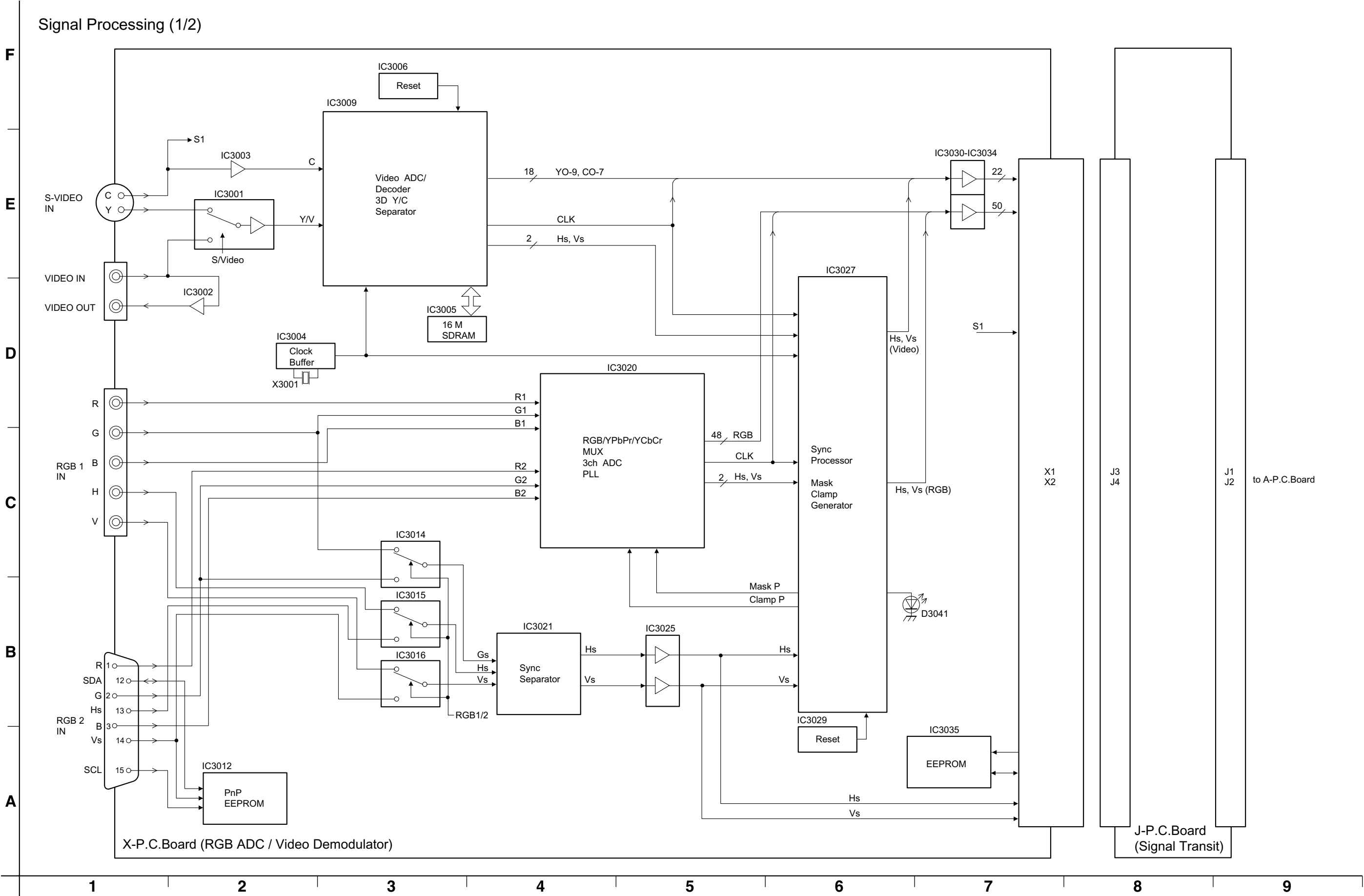


14 Block Diagram

14.1. Power Supply



14.2. Signal Processing (1 / 2)



15 Schematic Diagram

Schematic Diagram for Model PT-D7700U

IMPORTANT SAFETY NOTICE

THE SHADED AREA ON THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM FIRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING, IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC.

Schematic Diagram for Model PT-D7700E

Important Safety Notice

Components identified by the international symbol  have special characteristics important for safety. When replacing any of these components, use only the manufacturer's specified ones.

Notes:

1. Resistor

All the resistors are carbon 1/4W resistors, unless marked as follows: The unit of resistance is an OHM [Ω] (K=1 000 M=1 000 000).

 : Nonflammable

 : Metal Oxide

 : Solid

 : Metal Film

 : Wire Wound

 : Fuse

2. Capacitor

 : Temperature Compensation

 : Electrolytic

 : Polyester

^{NP} : Bipolar

 : Metalized Polyester

 : Dipped Tantalum

 : Polypropylene

 : Z-Type

3. Coil

The unit of inductance is a H, unless otherwise noted.

4. Test Point

 : Test Point

5. Voltage Measurement

The voltage is measured by an electronic voltmeter receiving the colorbar signal when all the customer's controls are set to the standard condition.

6. Color code for the links between diagrams and circuit boards

From/To		To/From	Color code
Block diagram		Schematic diagram	Magenta
Schematic diagram		Schematic diagram	Green
Schematic diagram		Circuit boards	Yellow
Schematic diagram		Waveforms	Cyan (Light blue)

7. HOT and COLD indications

The power circuit board contains a circuit area using a separate power supply to isolate the ground connection. The circuit is defined by HOT and COLD indications in the schematic diagram. Take the precautions below:

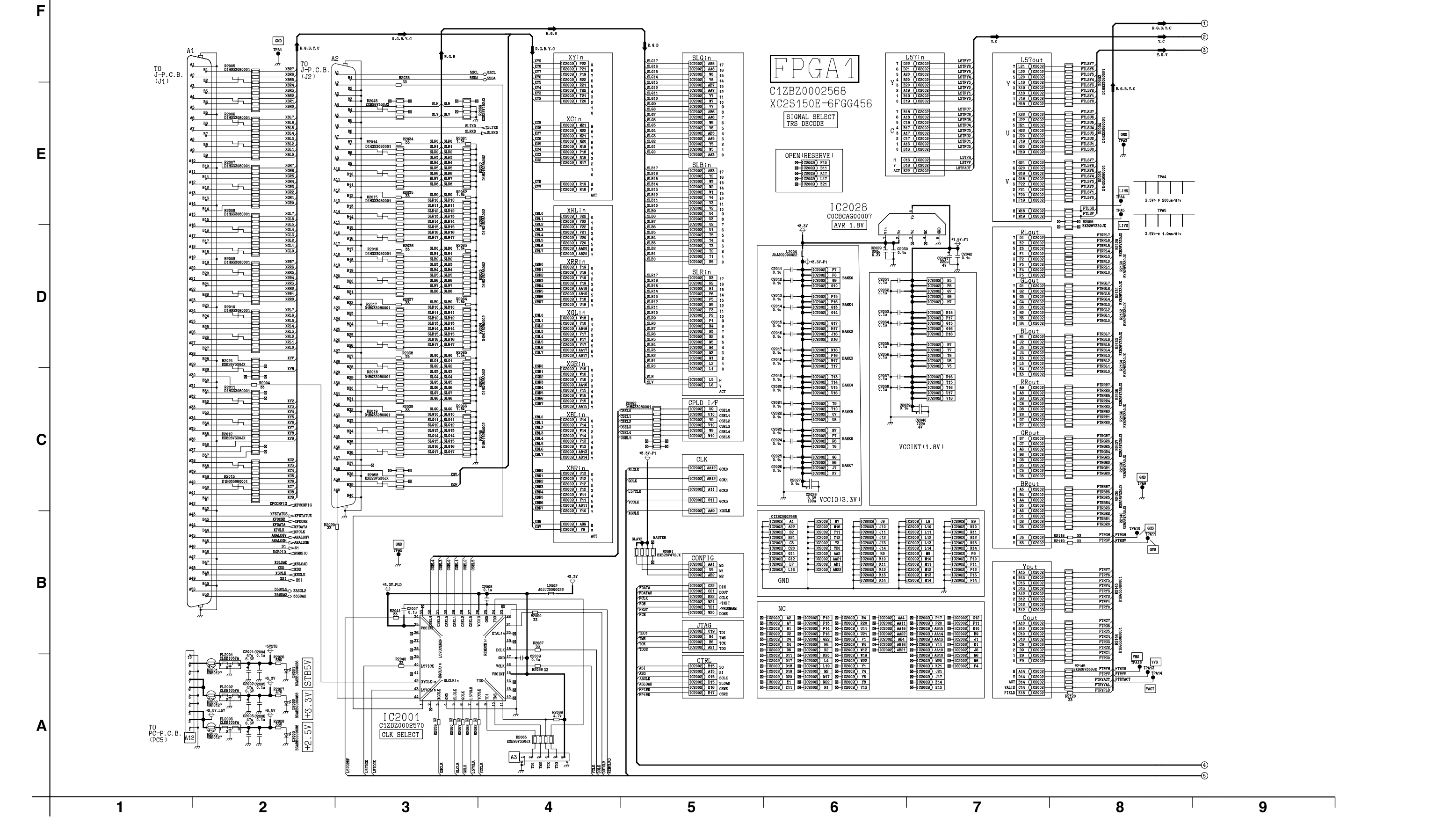
8. This schematic diagram is the latest at the time of printing and the subject to change without notice.

Precautions:

1. NEVER touch the HOT part or the HOT and COLD parts at the same time, or you may get an electric shock.
2. NEVER short-circuit the HOT and COLD circuits, or the fuse may blow and the parts may break.
3. NEVER connect an instrument such oscilloscope to the HOT and COLD circuit simultaneously, or the fuse may blow. Connect the ground of instruments to the ground of the circuit being measured.
4. MAKE SURE to unplug the power cord from the power outlet before removing the chassis.

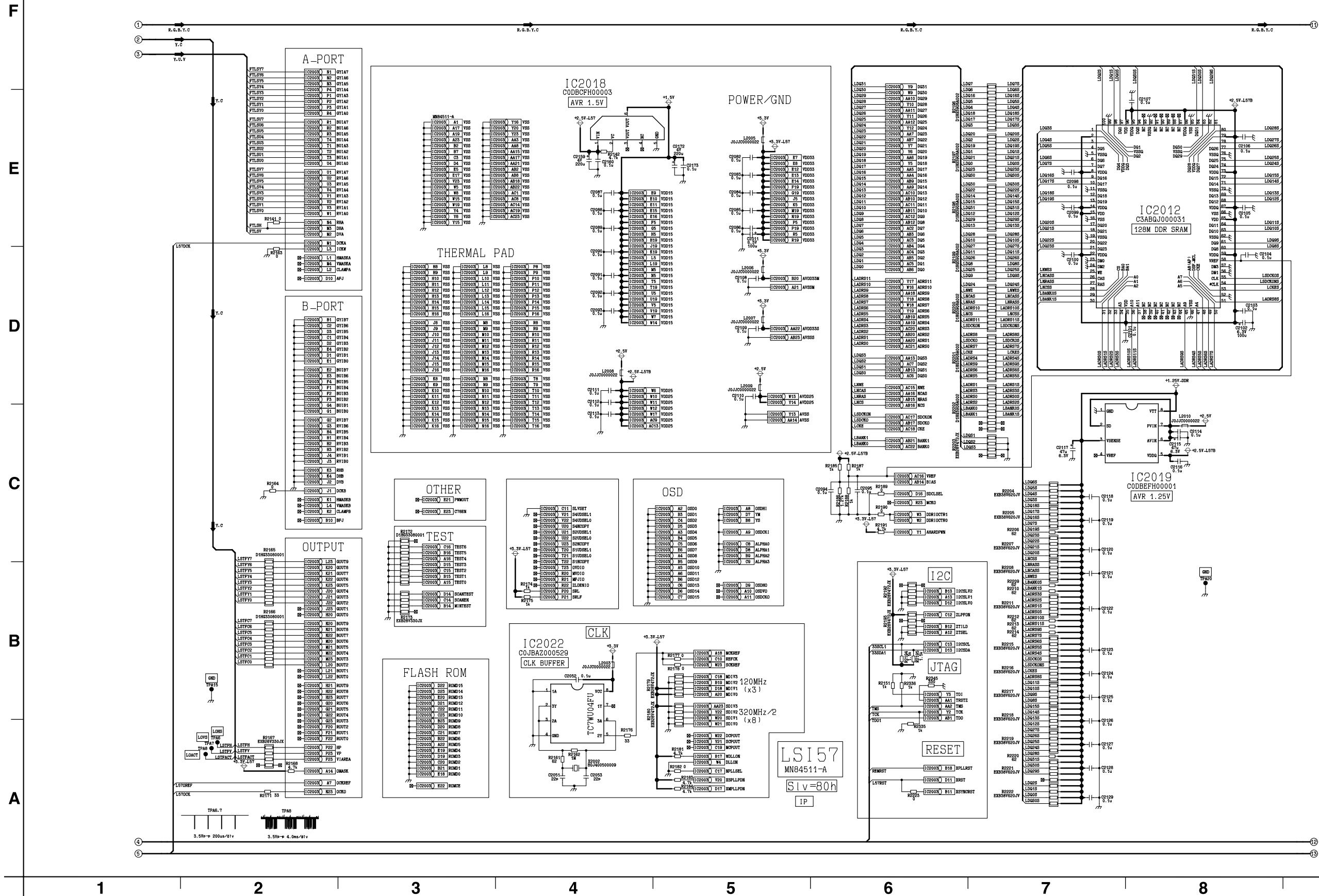
15.1. A-P.C.Board (1 / 9)

A-P.C.Board TXN/A2VJU4 (1/9)



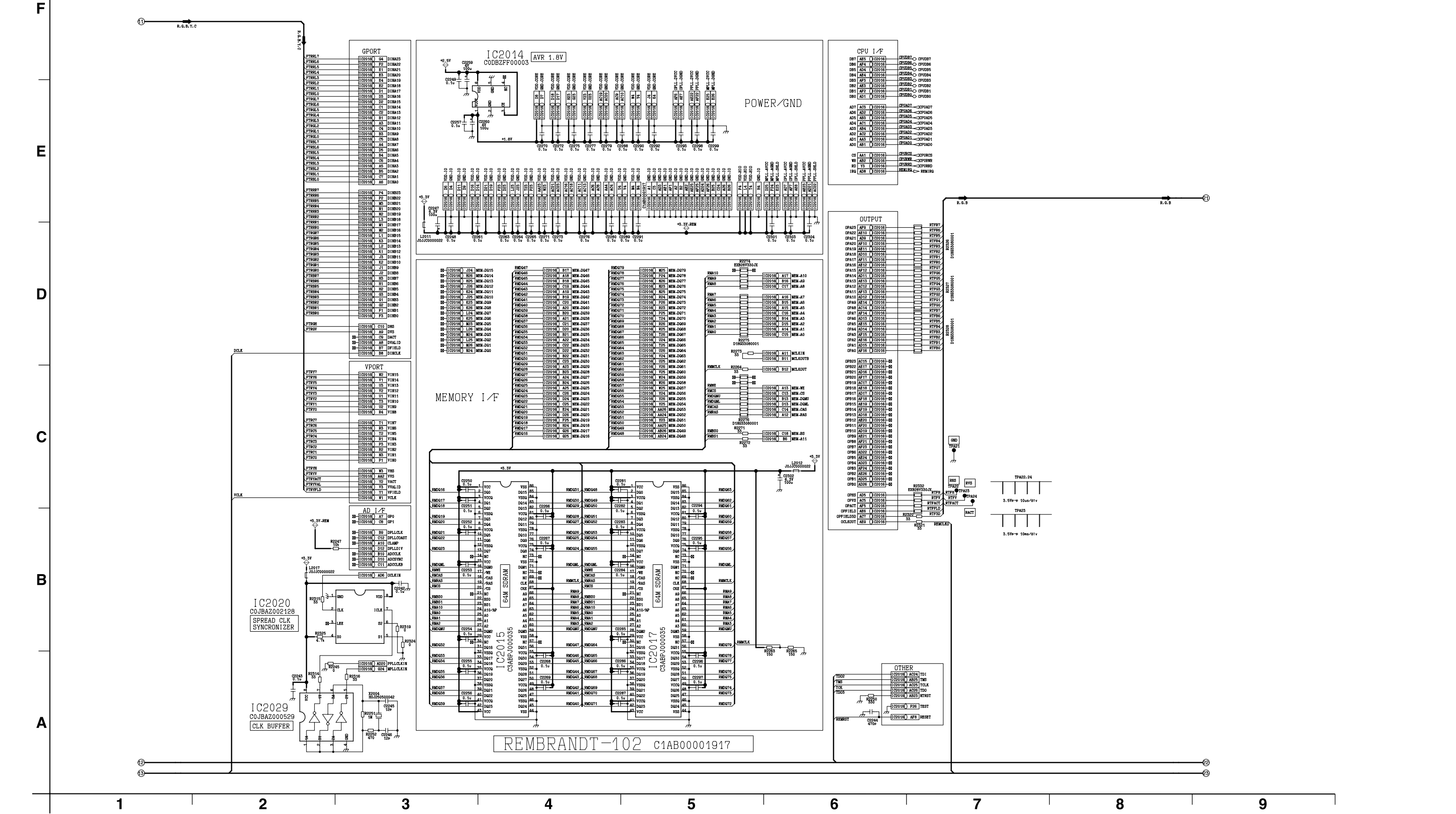
15.2. A-P.C.Board (2 / 9)

A-P.C.Board TXN/A2VJU4 (2/9)



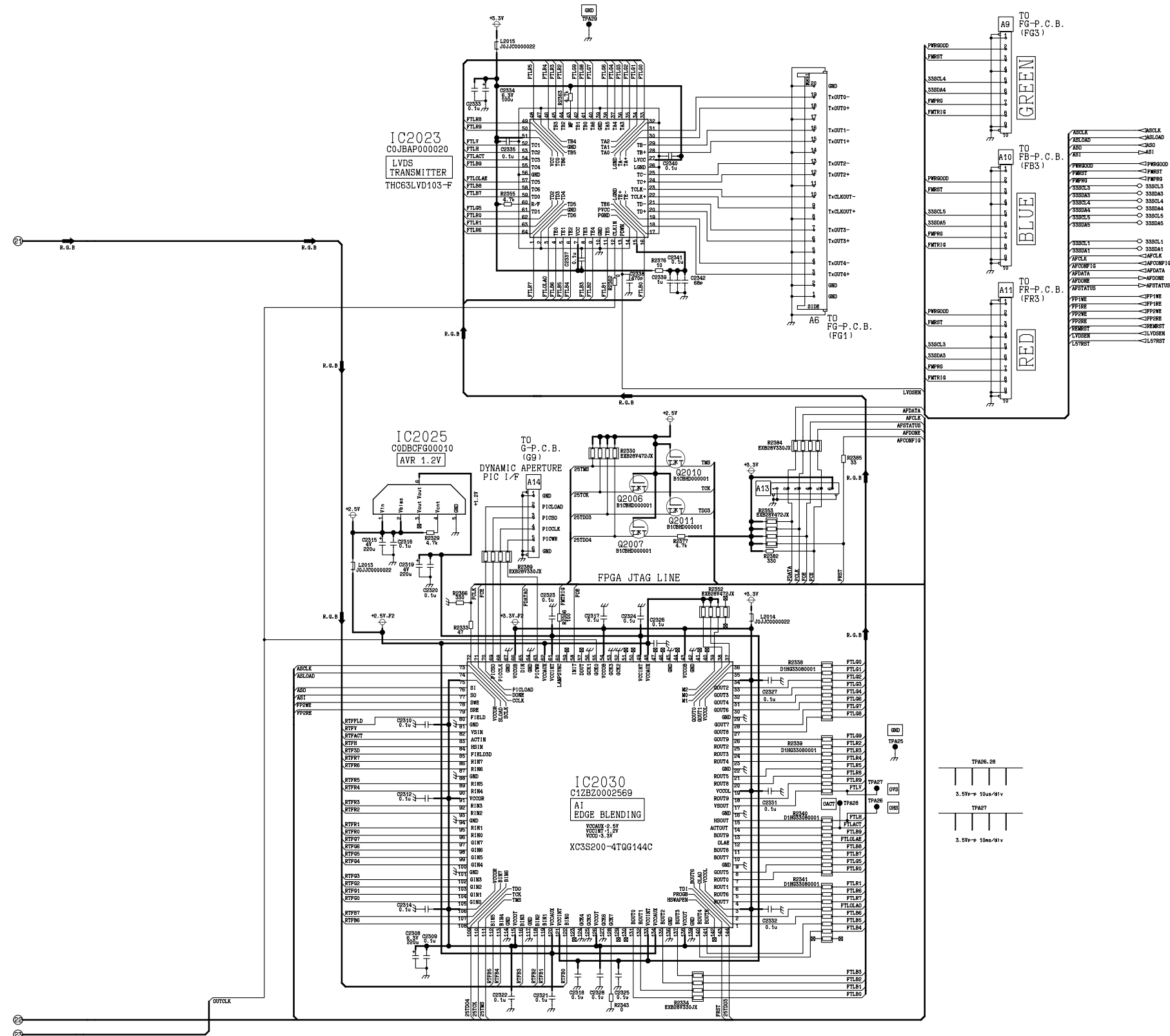
15.3. A-P.C.Board (3 / 9)

A-P.C.Board TXN/A2VJU4 (3/9)

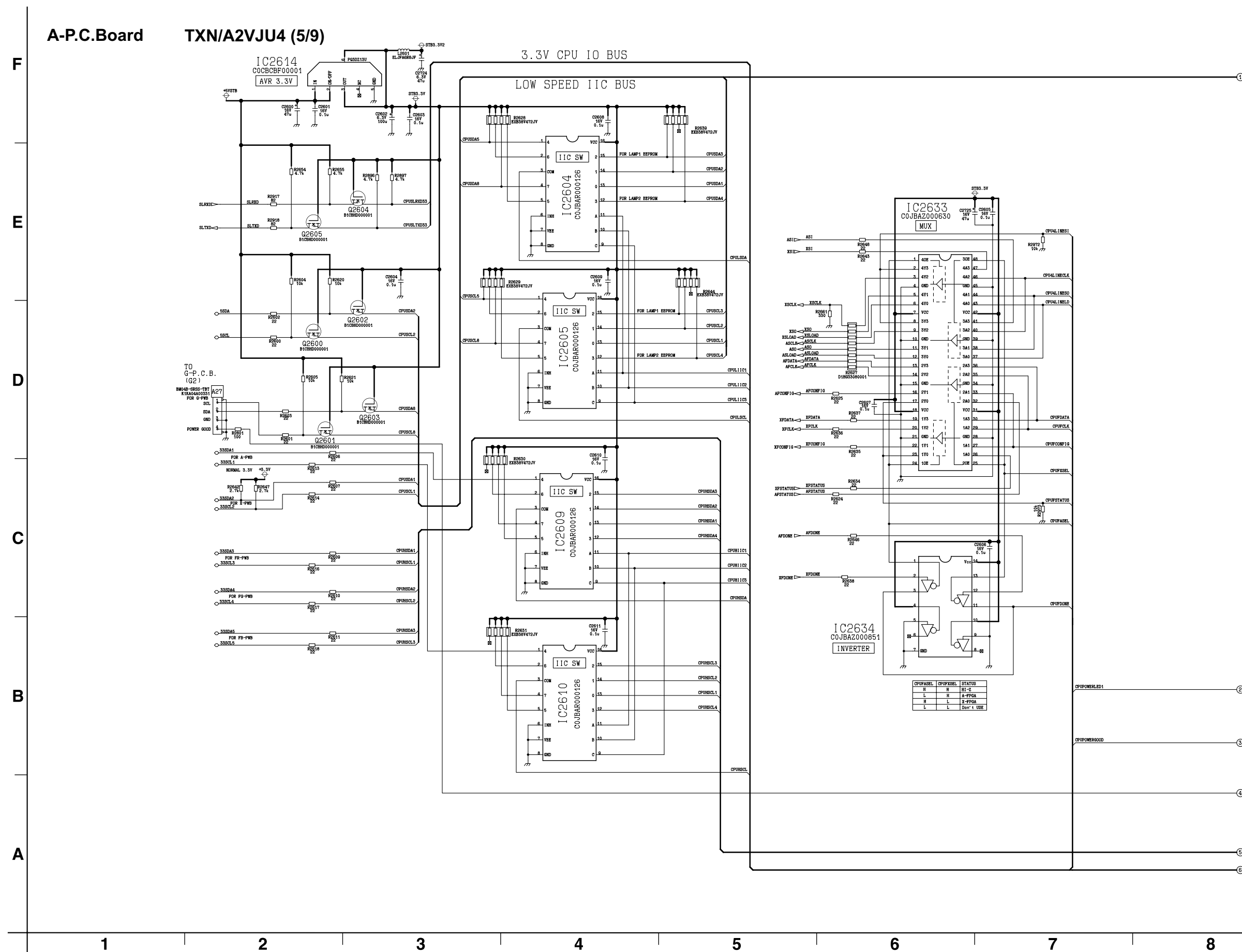


15.4. A-P.C.Board (4 / 9)

A-P.C.Board TXN/A2VJU4 (4/9)

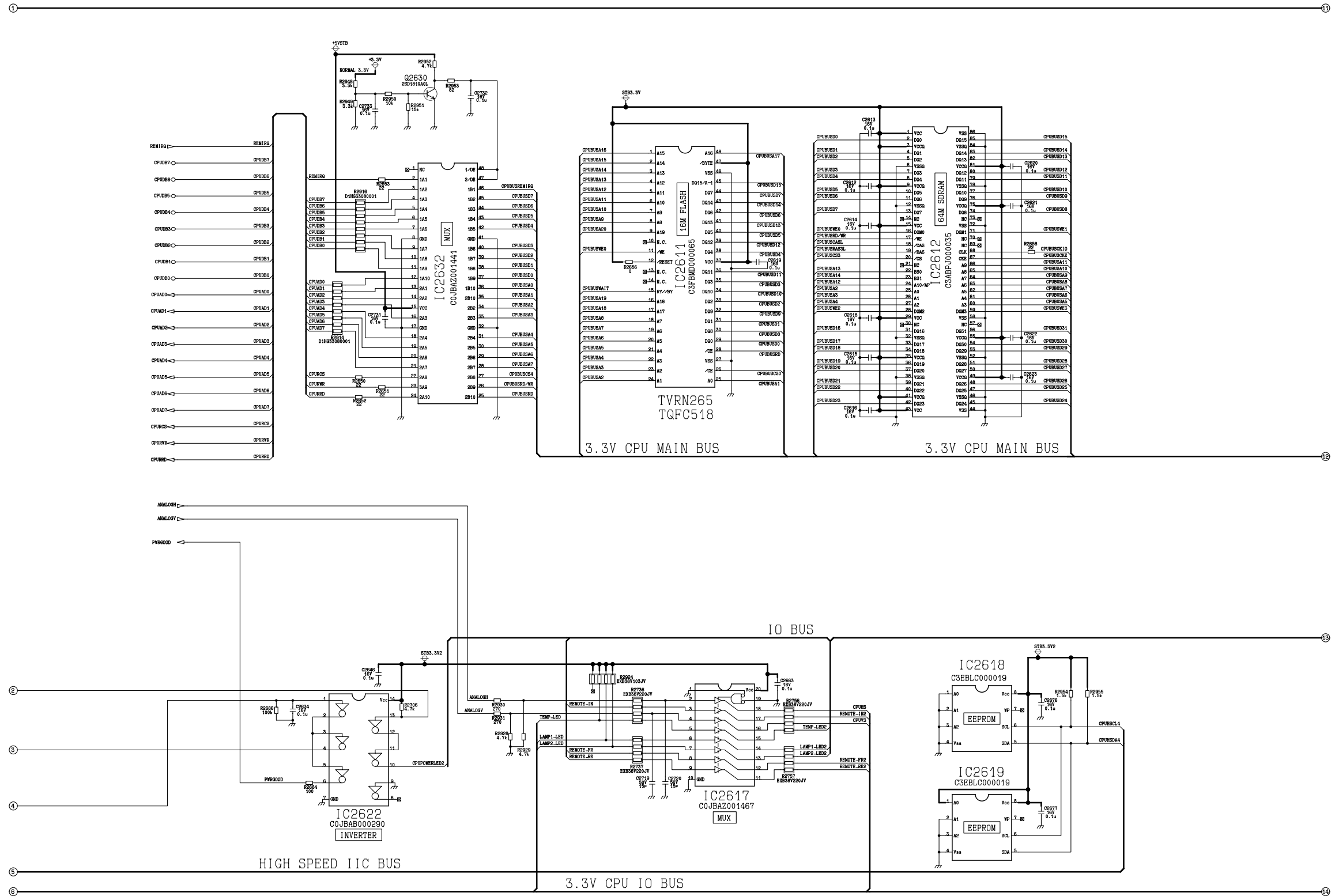


15.5. A-P.C.Board (5 / 9)



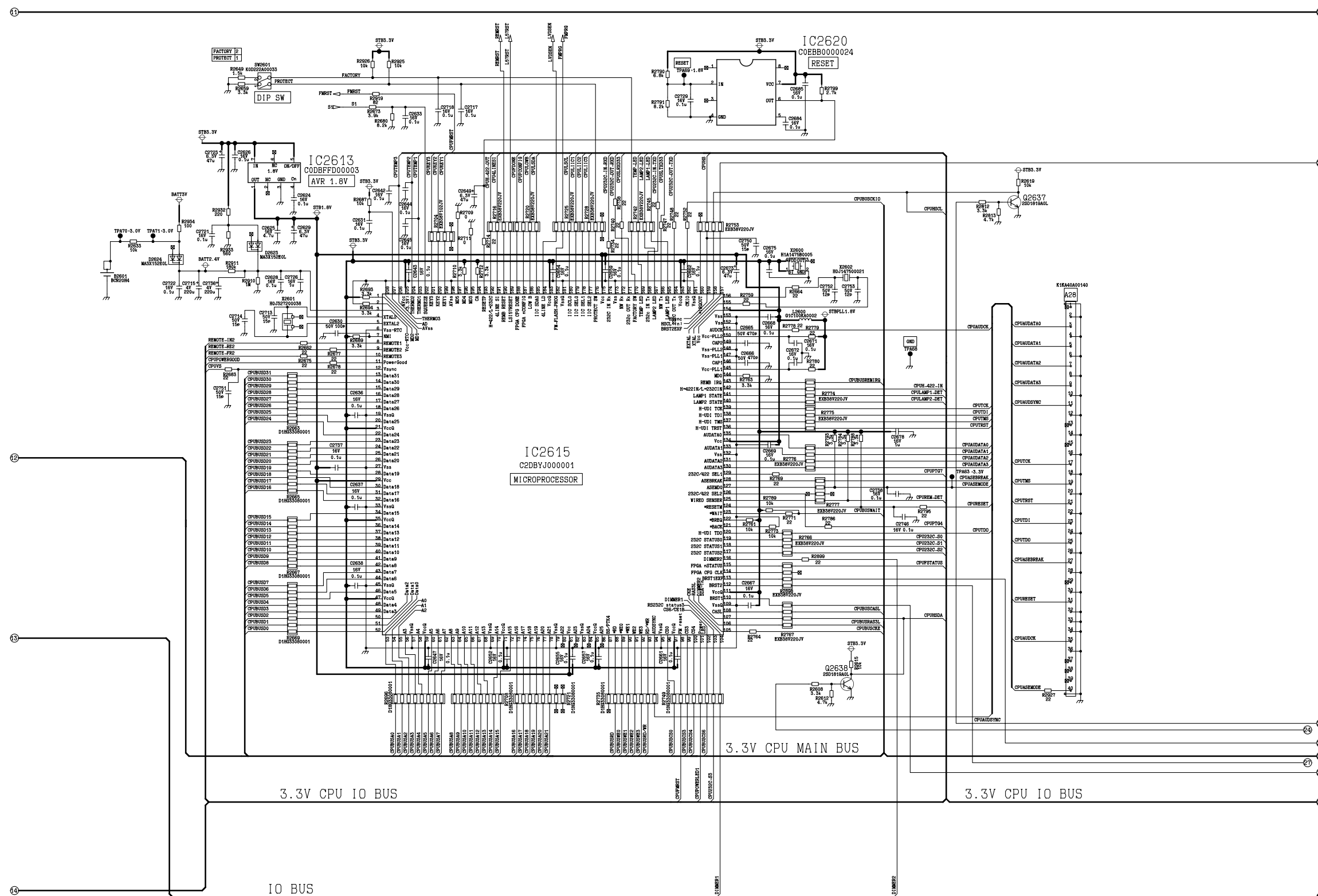
15.6. A-P.C.Board (6 / 9)

A-P.C.Board TXN/A2VJU4 (6/9)



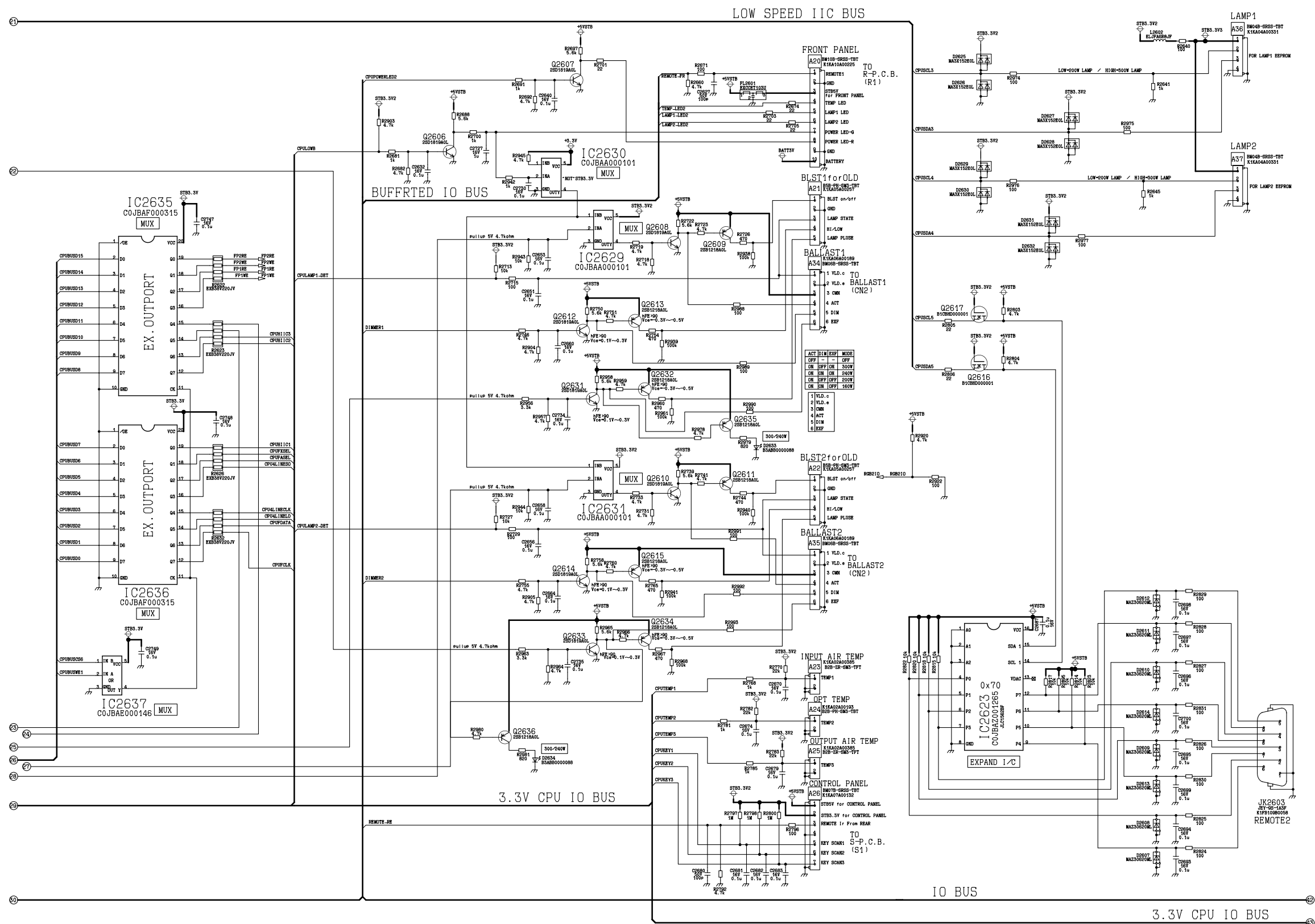
15.7. A-P.C.Board (7 / 9)

A-P.C.Board TXN/A2VJU4 (7/9)

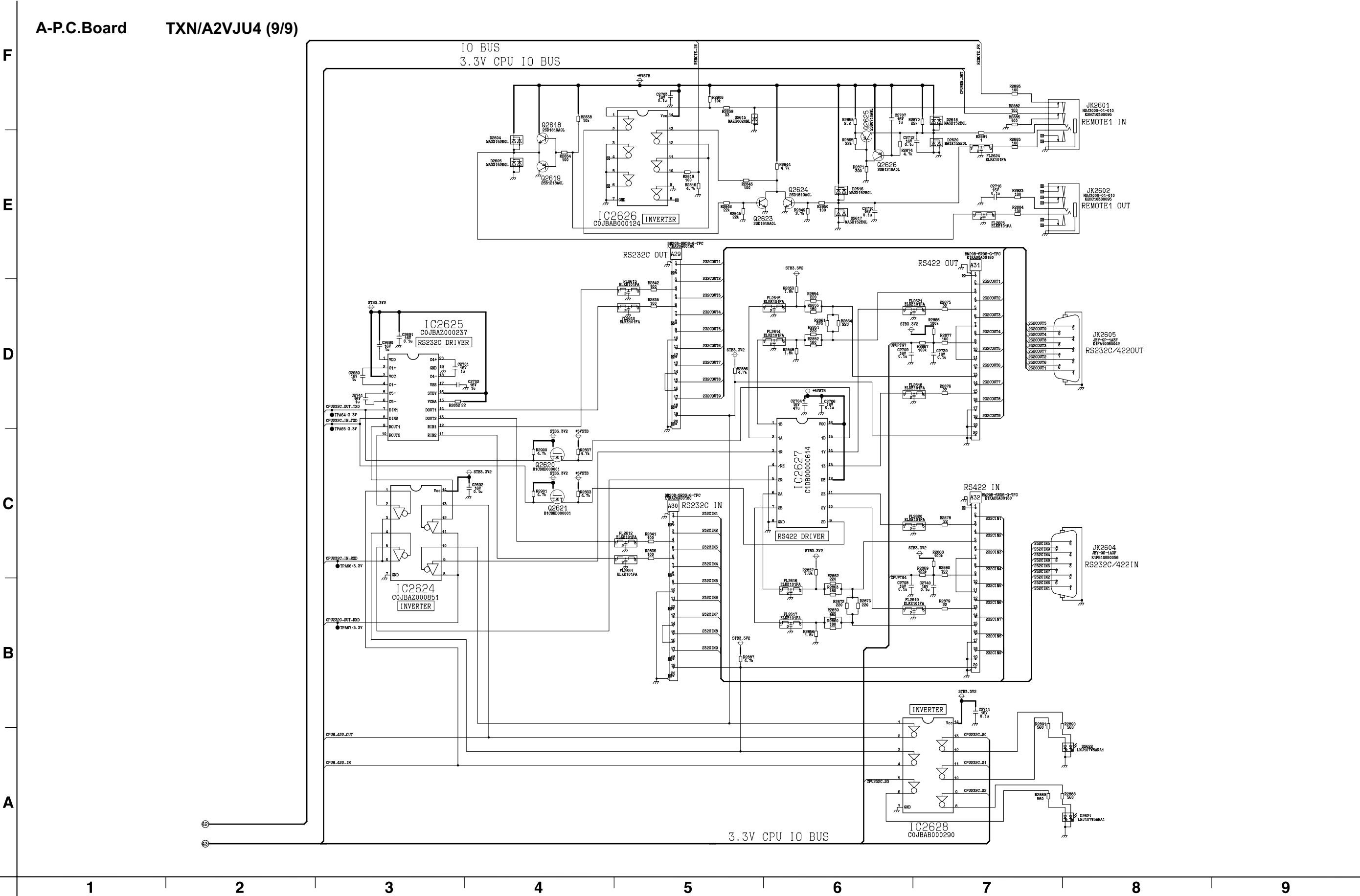


15.8. A-P.C.Board (8 / 9)

A-P.C.Board TXN/A2VJU4 (8/9)

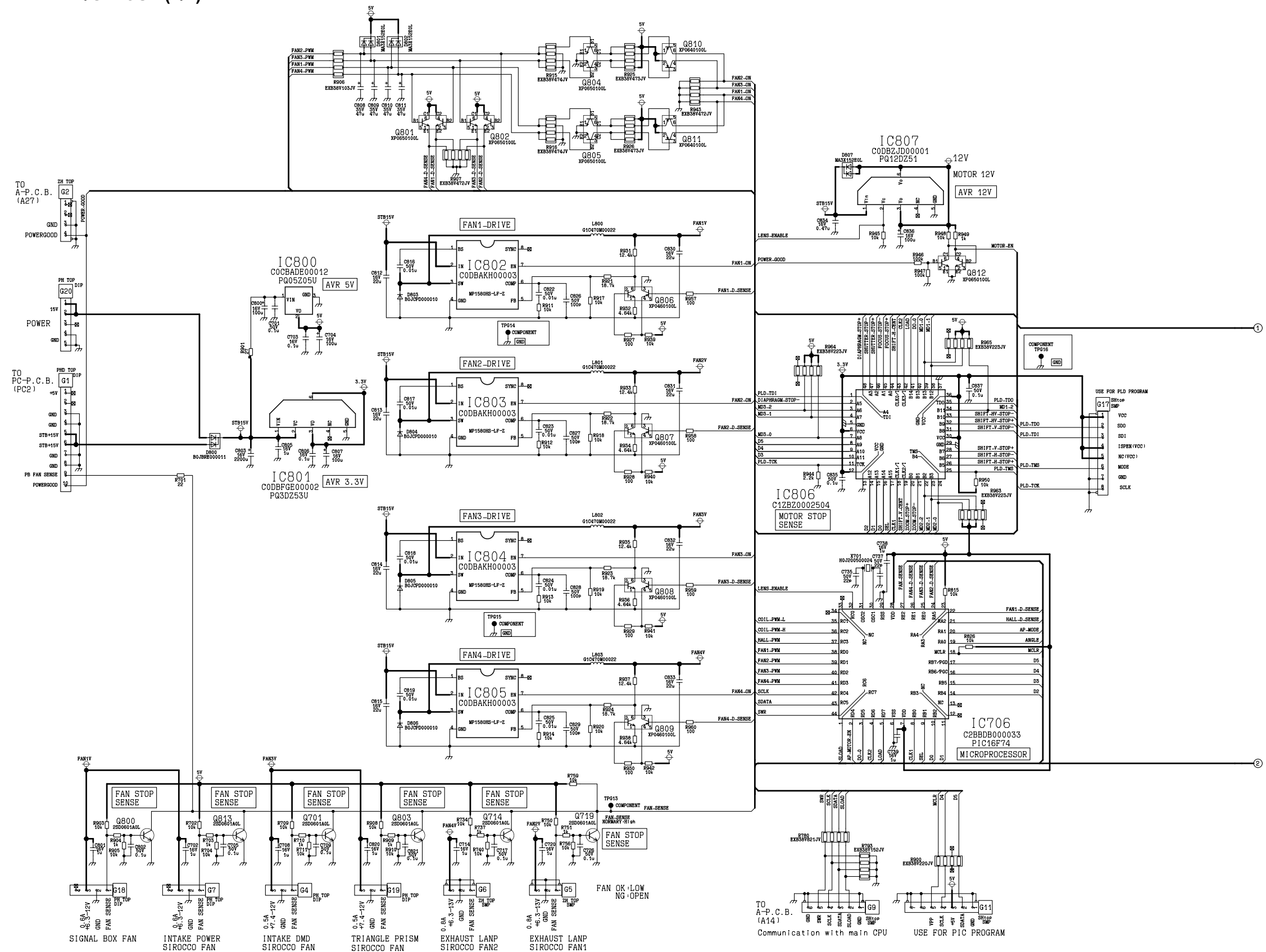


15.9. A-P.C.Board (9 / 9)



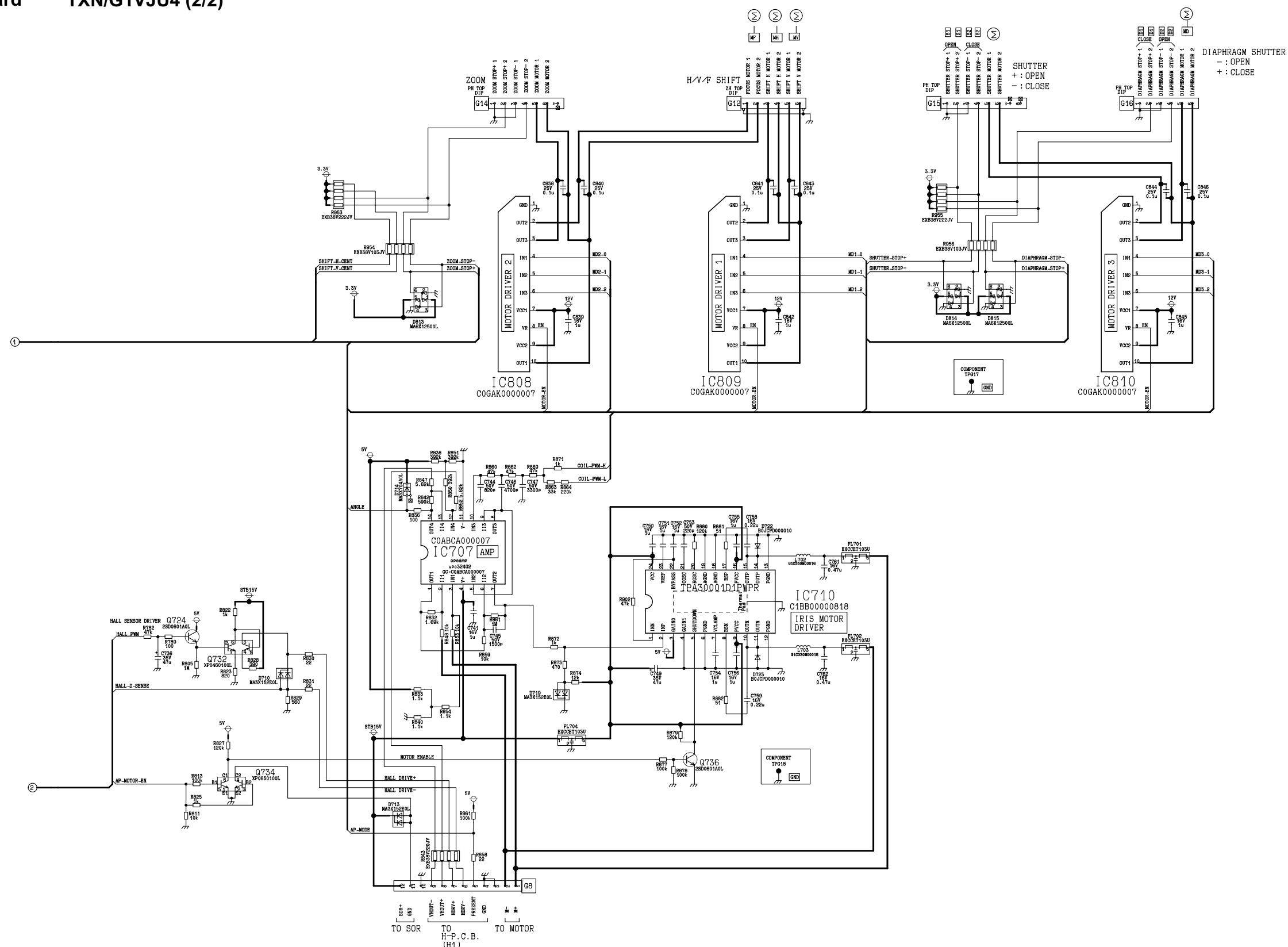
15.10. G-P.C.Board (1 / 2)

G-P.C.Board TXN/G1VJU4 (1/2)

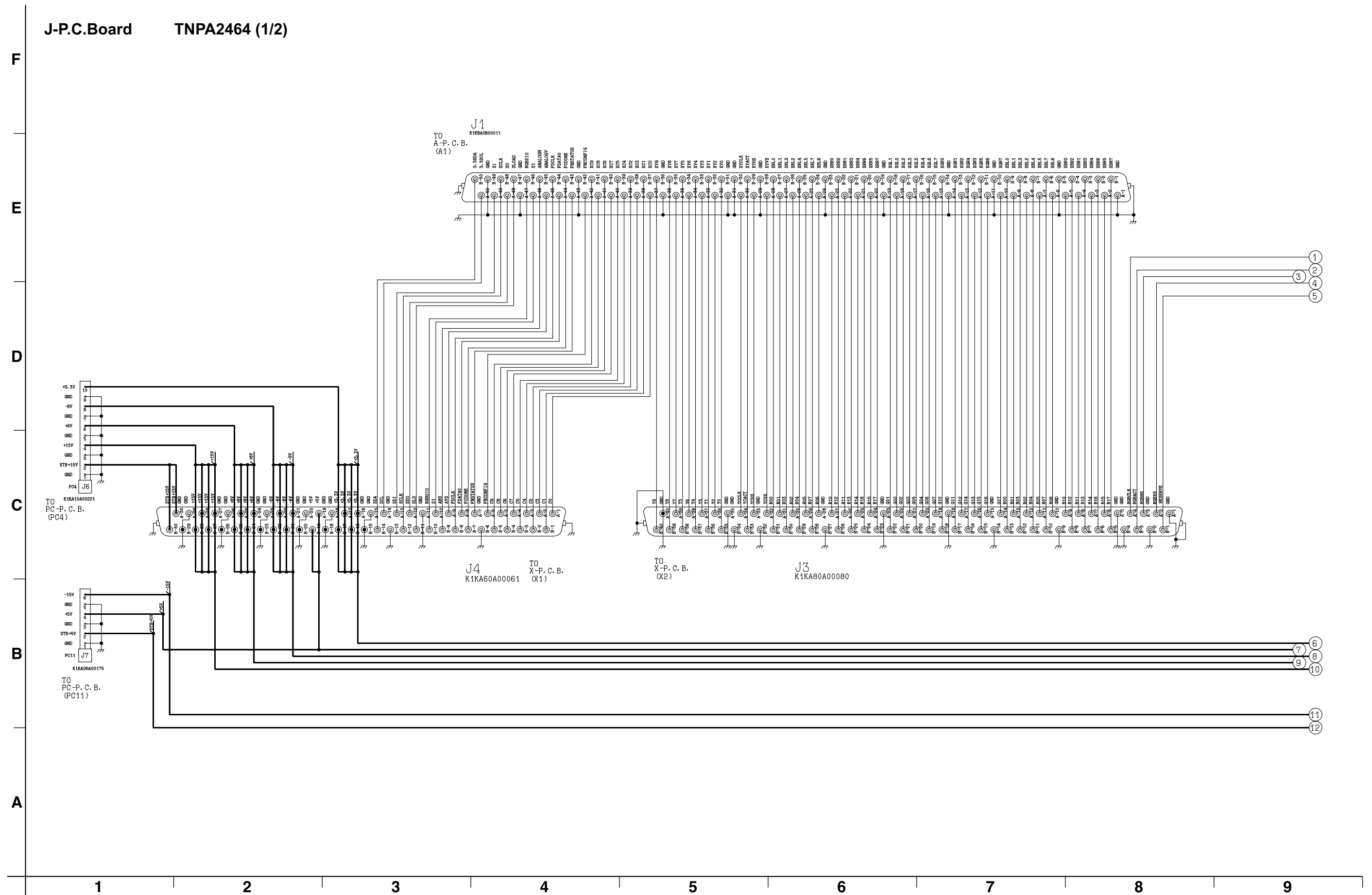


15.11. G-P.C.Board (2 / 2)

G-P.C.Board TXN/G1VJU4 (2/2)

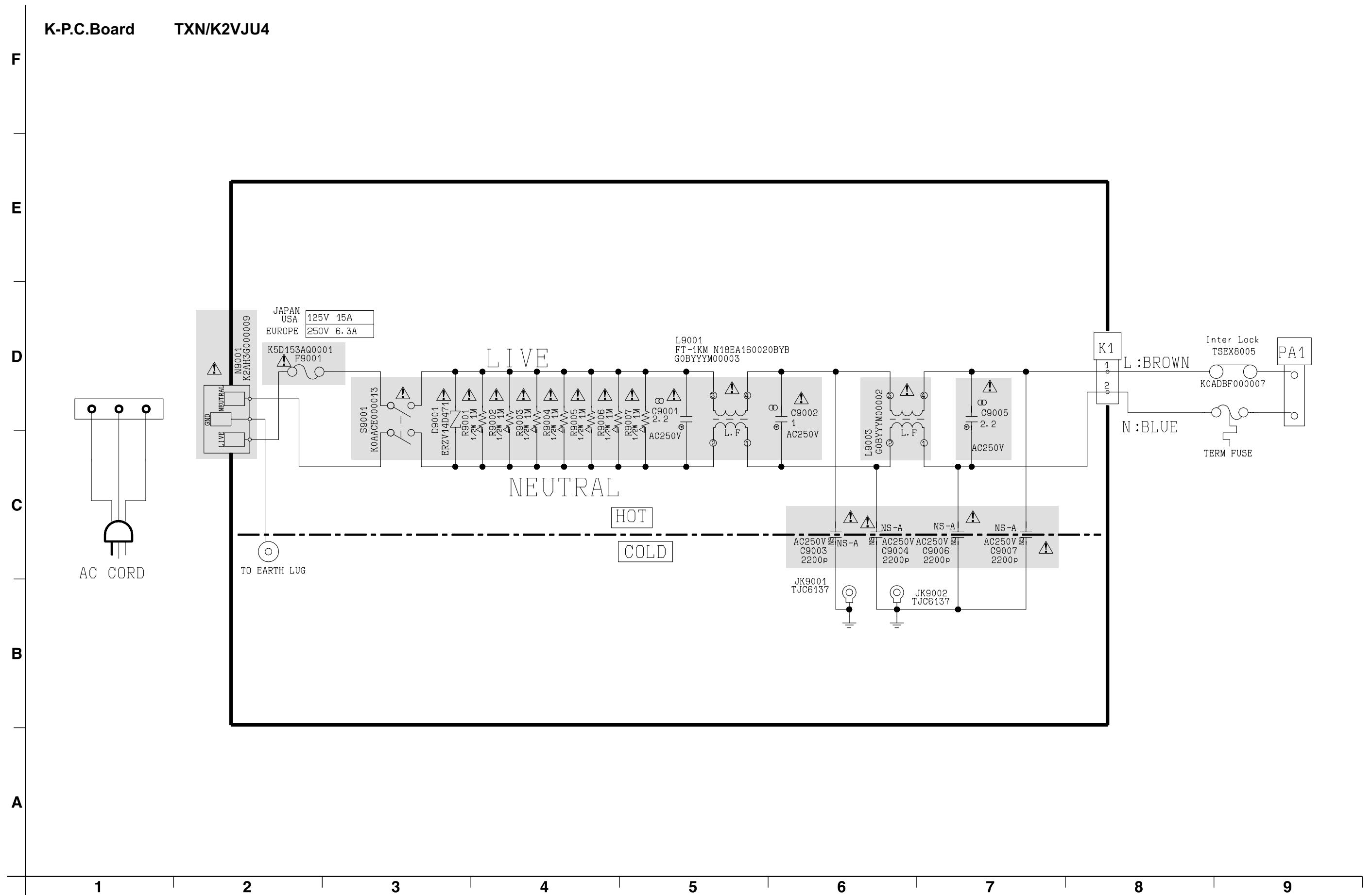


15.12. J-P.C.Board (1 / 2)

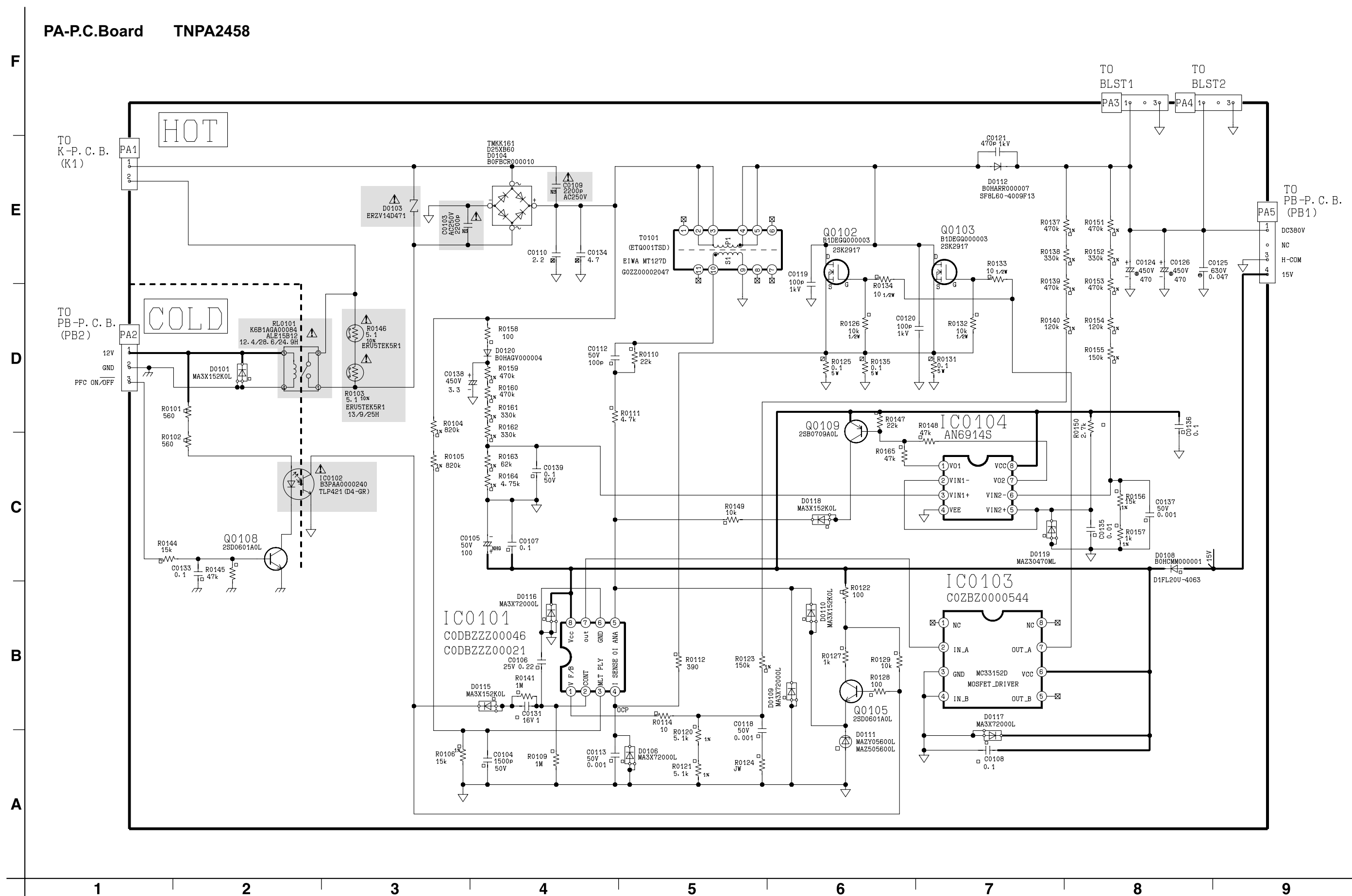




15.14. K-P.C.Board

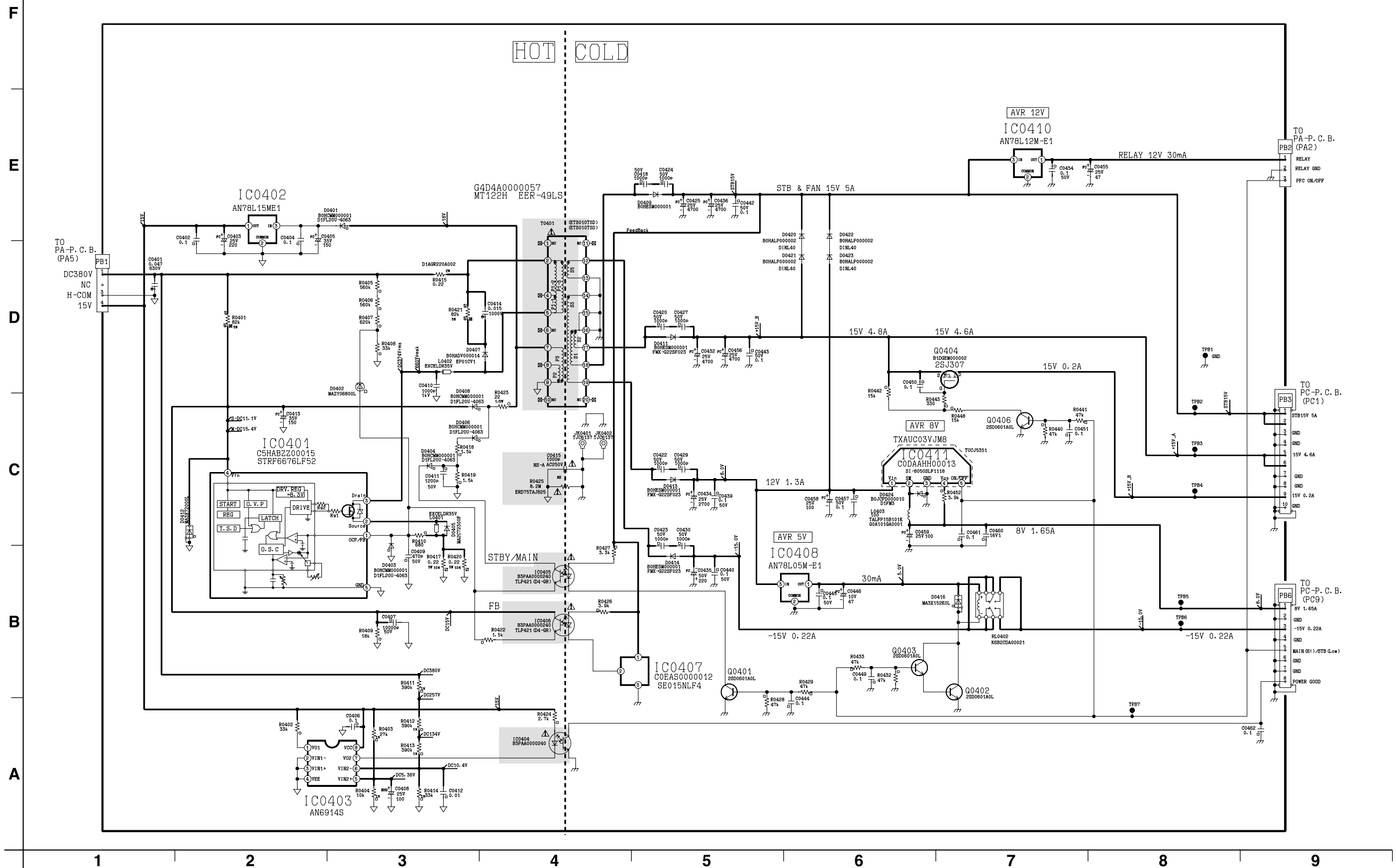


15.15. PA-P.C.Board

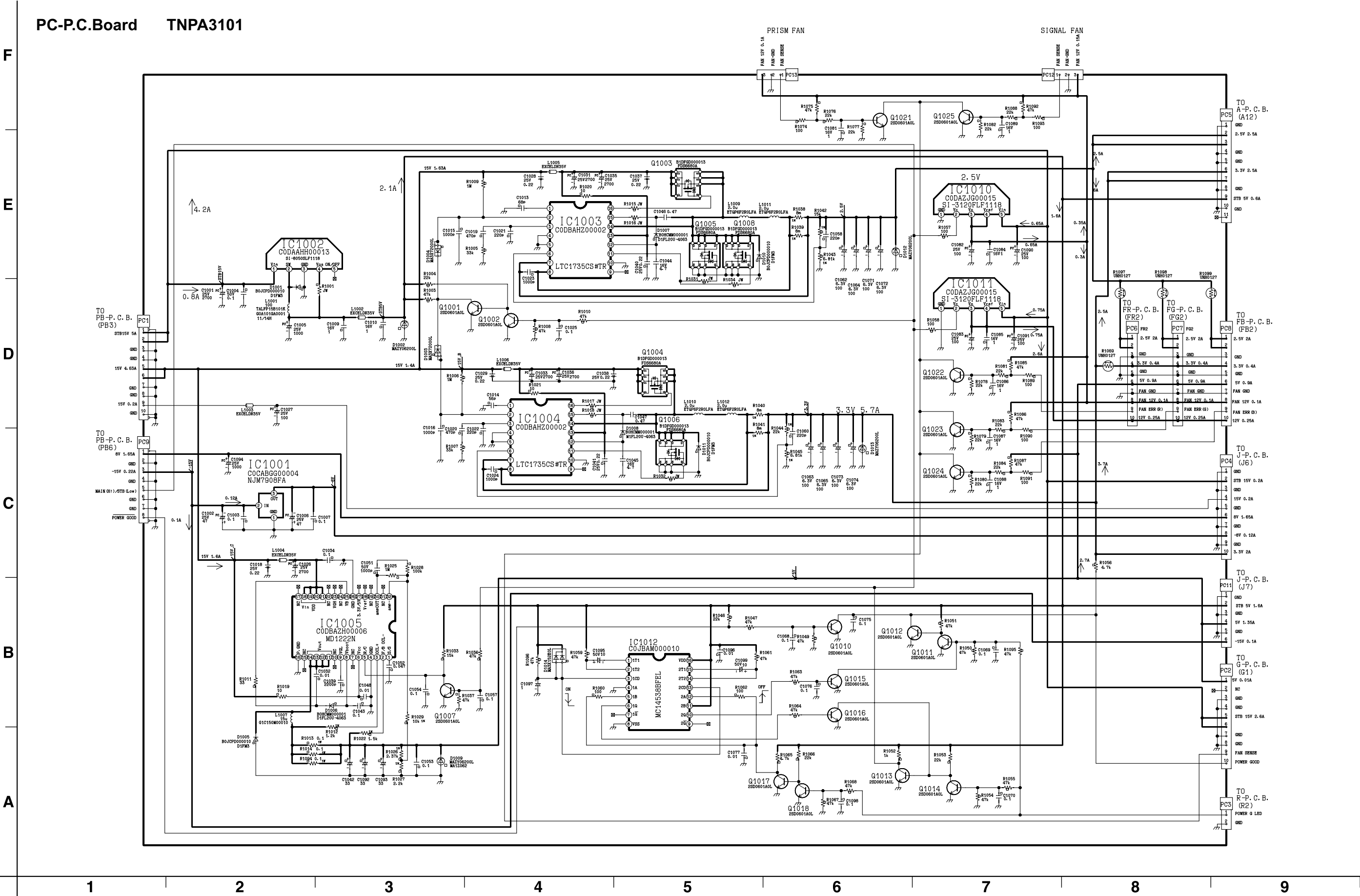


15.16. PB-P.C.Board

PB-P.C.Board TNPA2459

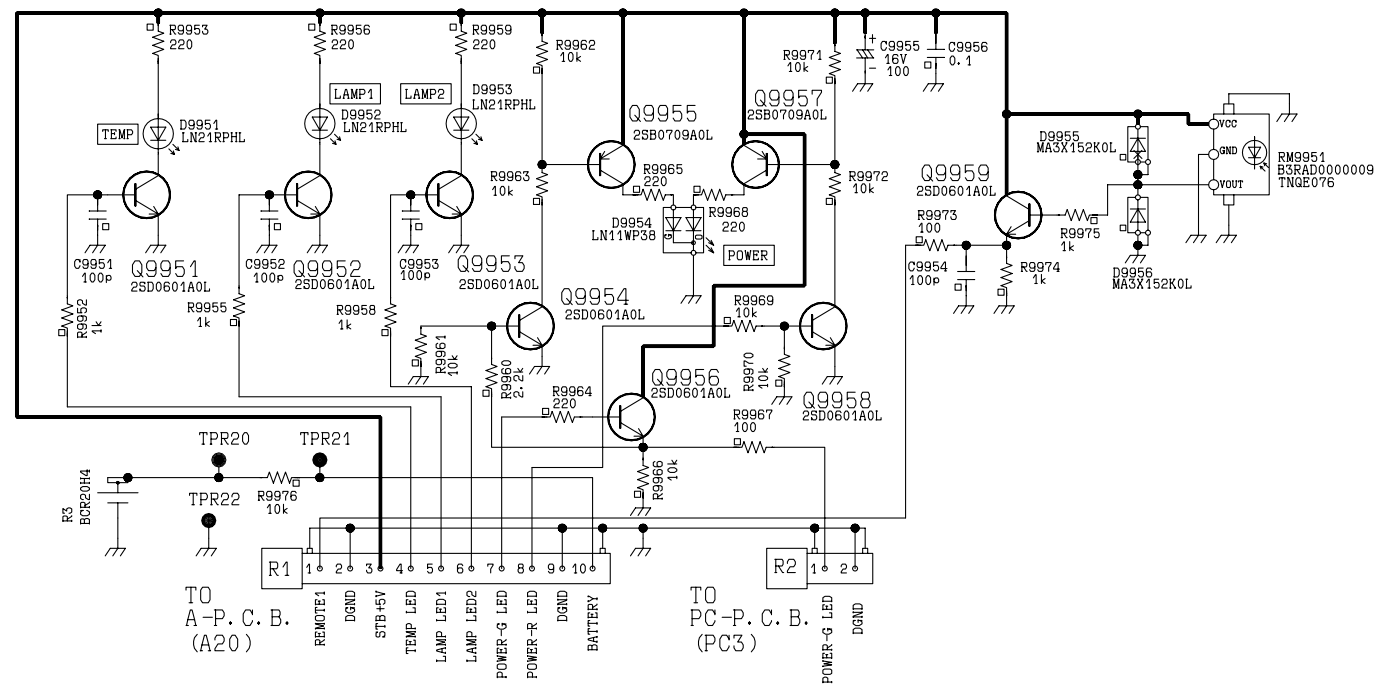


15.17. PC-P.C.Board

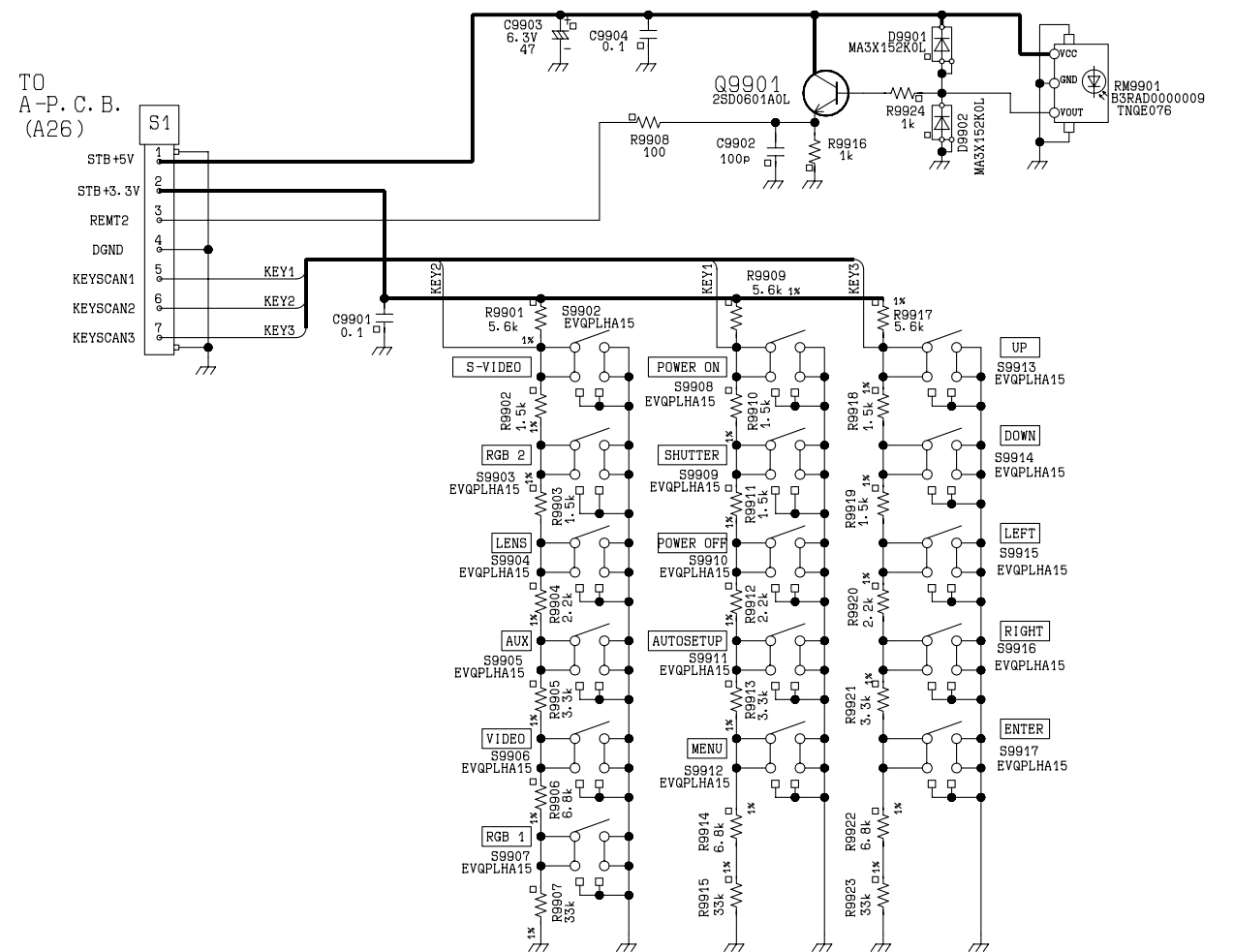


15.18. R-P.C.Board / S-P.C.Board

R-P.C.Board TNPA3102



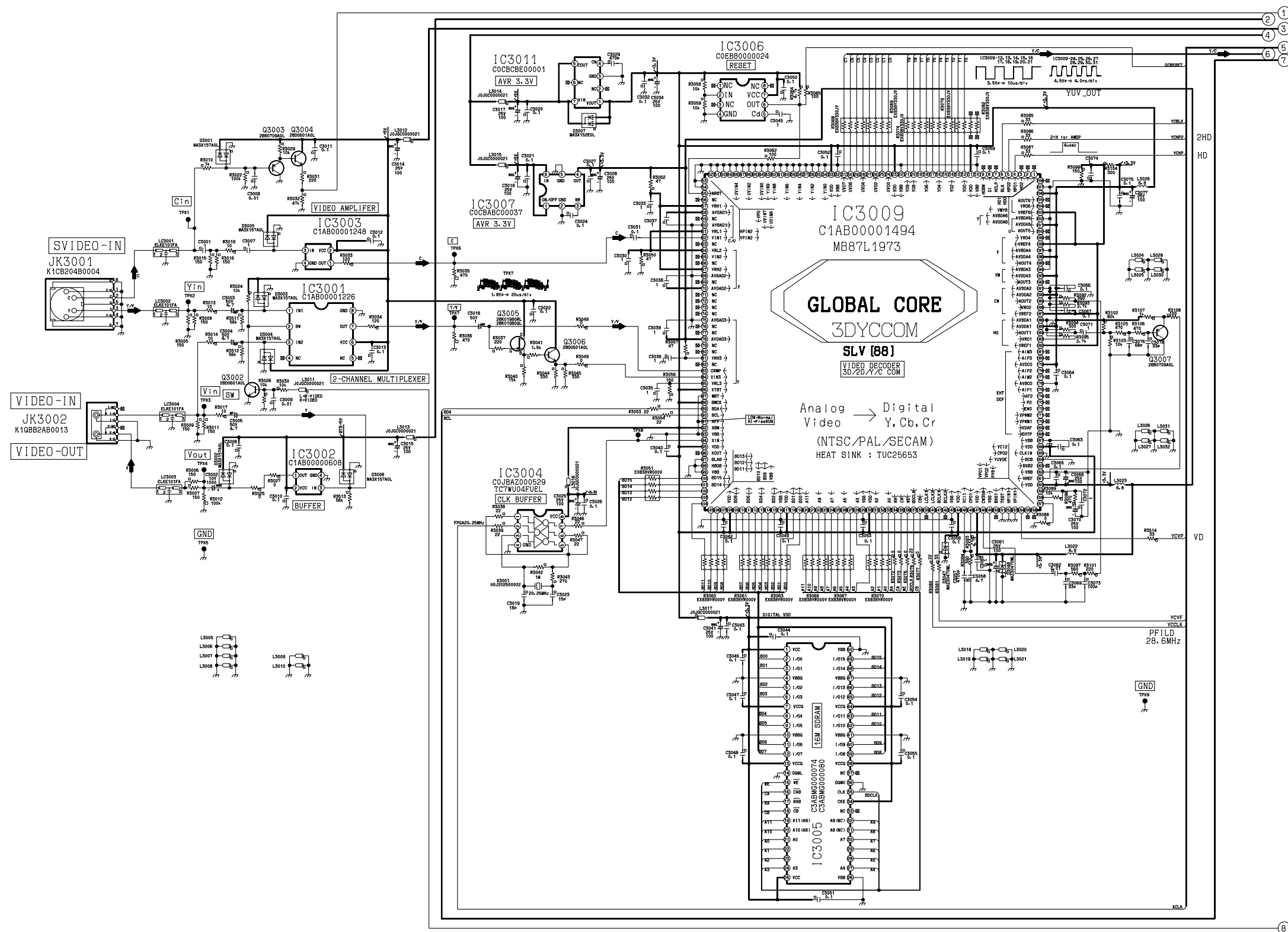
S-P.C.Board TNPA3099



15.19. X-P.C.Board (1 / 3)

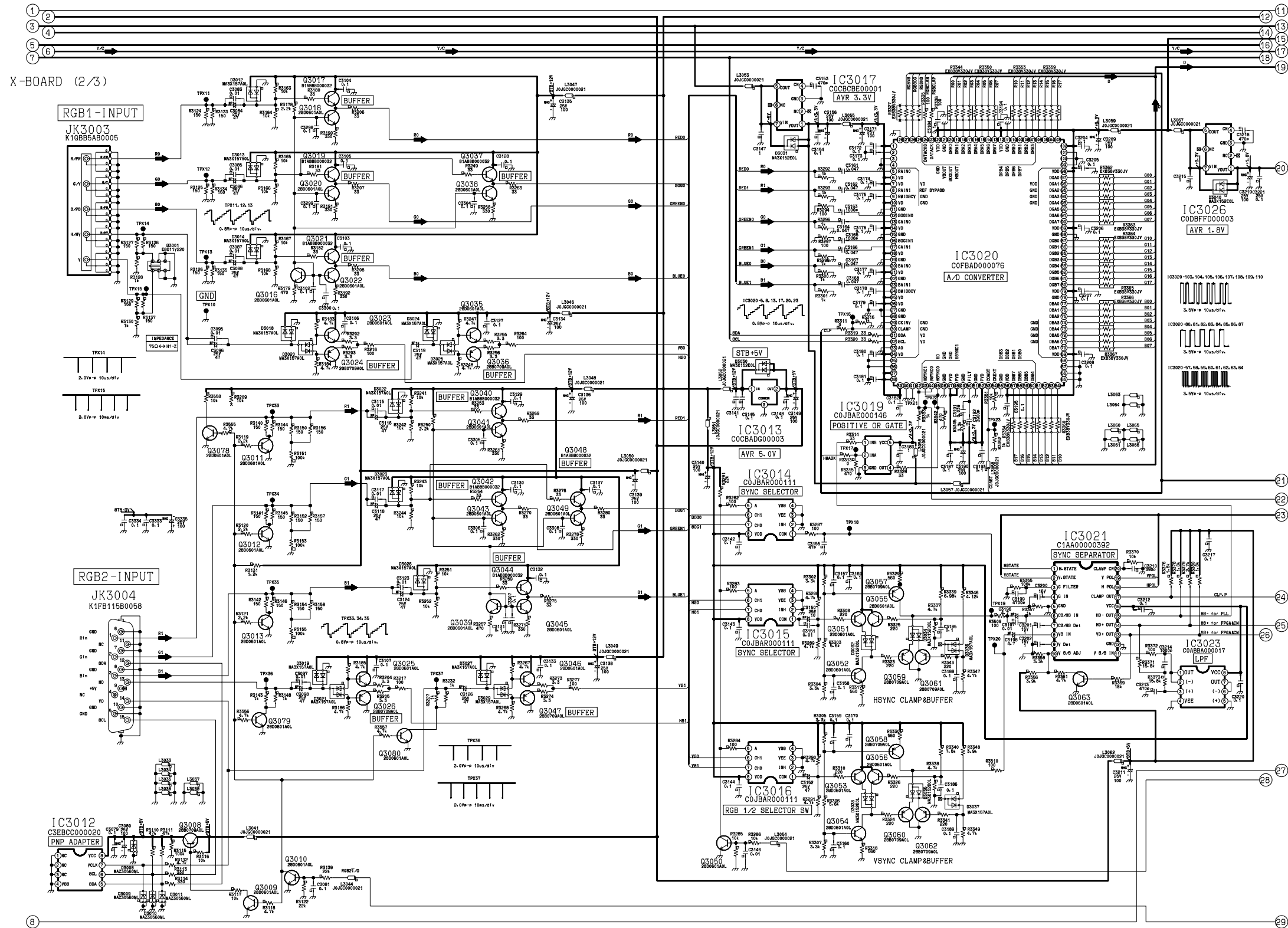
X-P.C.Board

TXN/X2VJU4 (1/3)



15.20. X-P.C.Board (2 / 3)

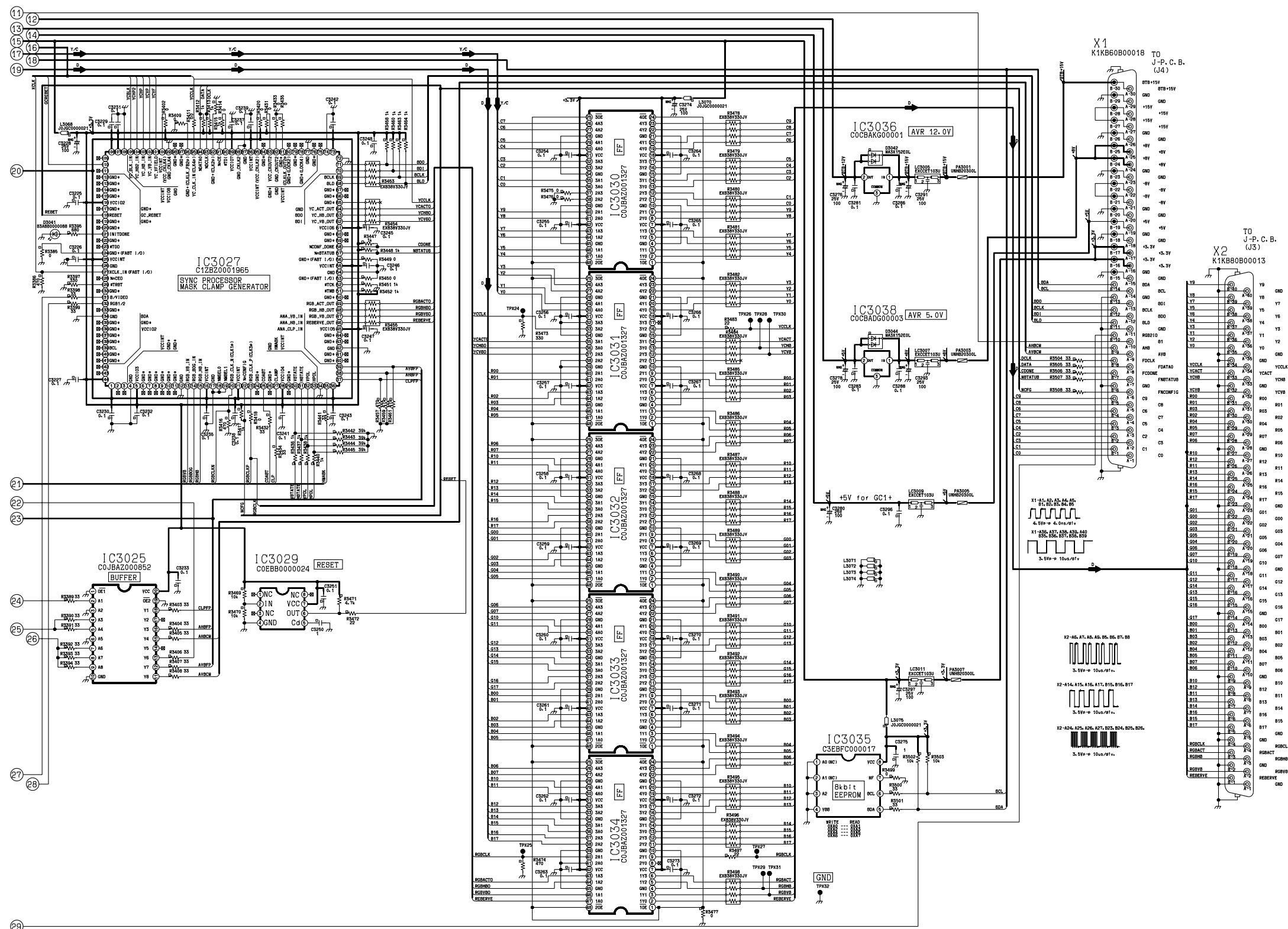
X-P.C.Board TXN/X2VJU4 (2/3)



15.21. X-P.C.Board (3 / 3)

X-P.C.Board

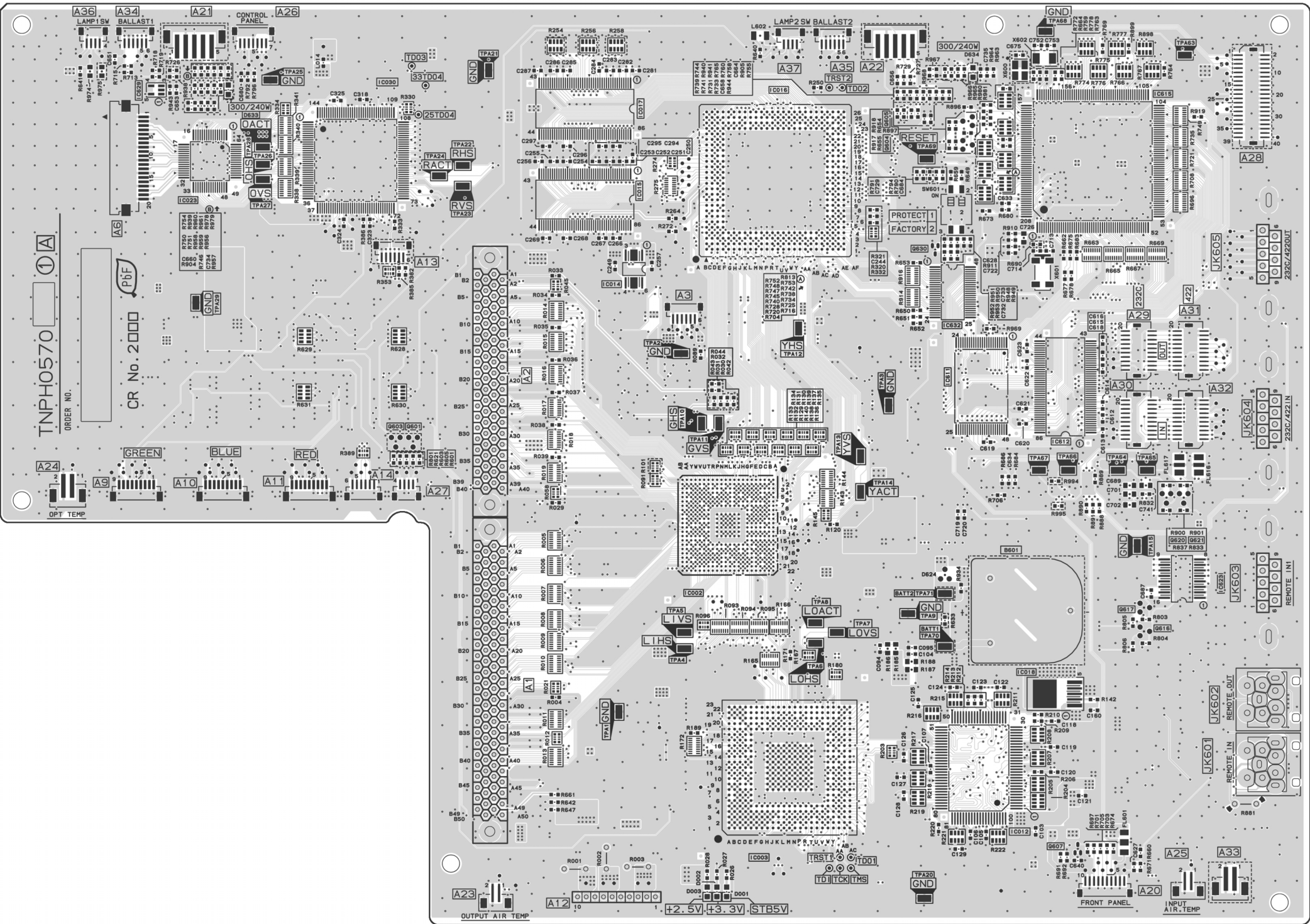
TXN/X2VJU4 (3/3)



16 Circuit Boards

16.1. A-P.C.Board (Foil Side)

A-P.C.Board TXN/A2VJU4
(Foil Side)

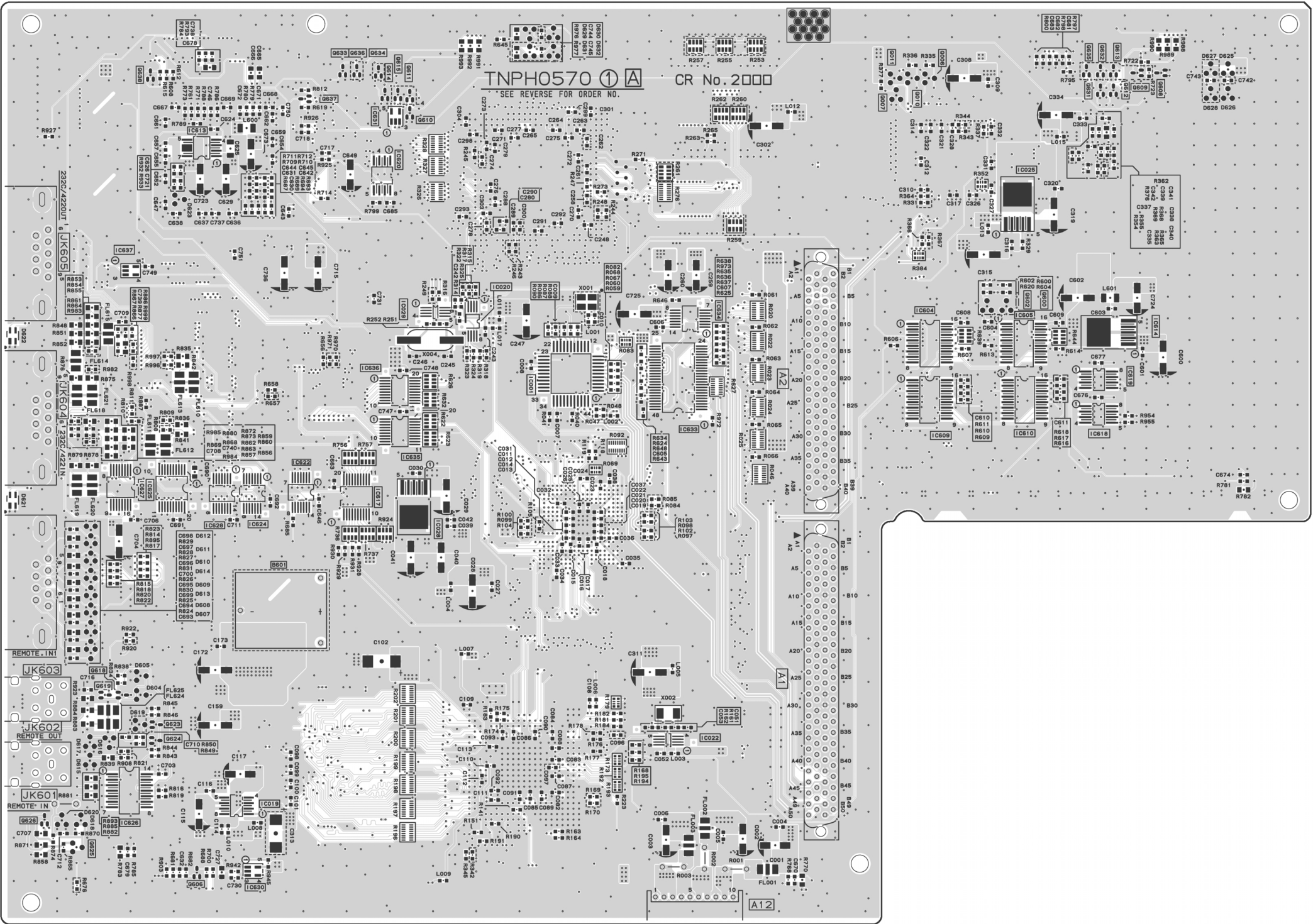


A-P.C.Board (Foil Side)			
IC		TRANSISTOR	
IC2002	C-4	Q2601	C-3
IC2003	A-5	Q2603	C-3
IC2012	A-6	Q2604	E-5
IC2014	D-4	Q2605	E-5
IC2015	D-4	Q2607	A-6
IC2016	E-5	Q2616	B-7
IC2017	E-4	Q2617	B-7
IC2018	B-6	Q2620	C-7
IC2023	E-2	Q2621	C-7
IC2030	E-3	Q2630	D-5
IC2611	C-6		
IC2615	E-6		
IC2623	B-7		
IC2629	E-1		
IC2632	D-6		
TP			
TPA1	B-4	TPA22	E-3
TPA2	D-4	TPA23	D-3
TPA3	C-5	TPA24	E-3
TPA4	B-4	TPA25	E-2
TPA5	B-4	TPA26	E-2
TPA6	B-5	TPA27	D-2
TPA7	B-5	TPA28	E-2
TPA8	B-5	TPA29	D-2
TPA9	B-5	TPA63	E-7
TPA10	C-4	TPA64	C-6
TPA11	C-4	TPA65	C-7
TPA12	D-5	TPA66	C-6
TPA13	C-5	TPA67	C-6
TPA14	C-5	TPA68	E-6
TPA15	C-7	TPA69	E-5
TPA20	A-5	TPA70	B-5
TPA21	E-3	TPA71	B-5

ADDRESS INFORMATION

16.2. A-P.C.Board (Component Side)

A-P.C.Board TXN/A2VJU4
(Component Side)

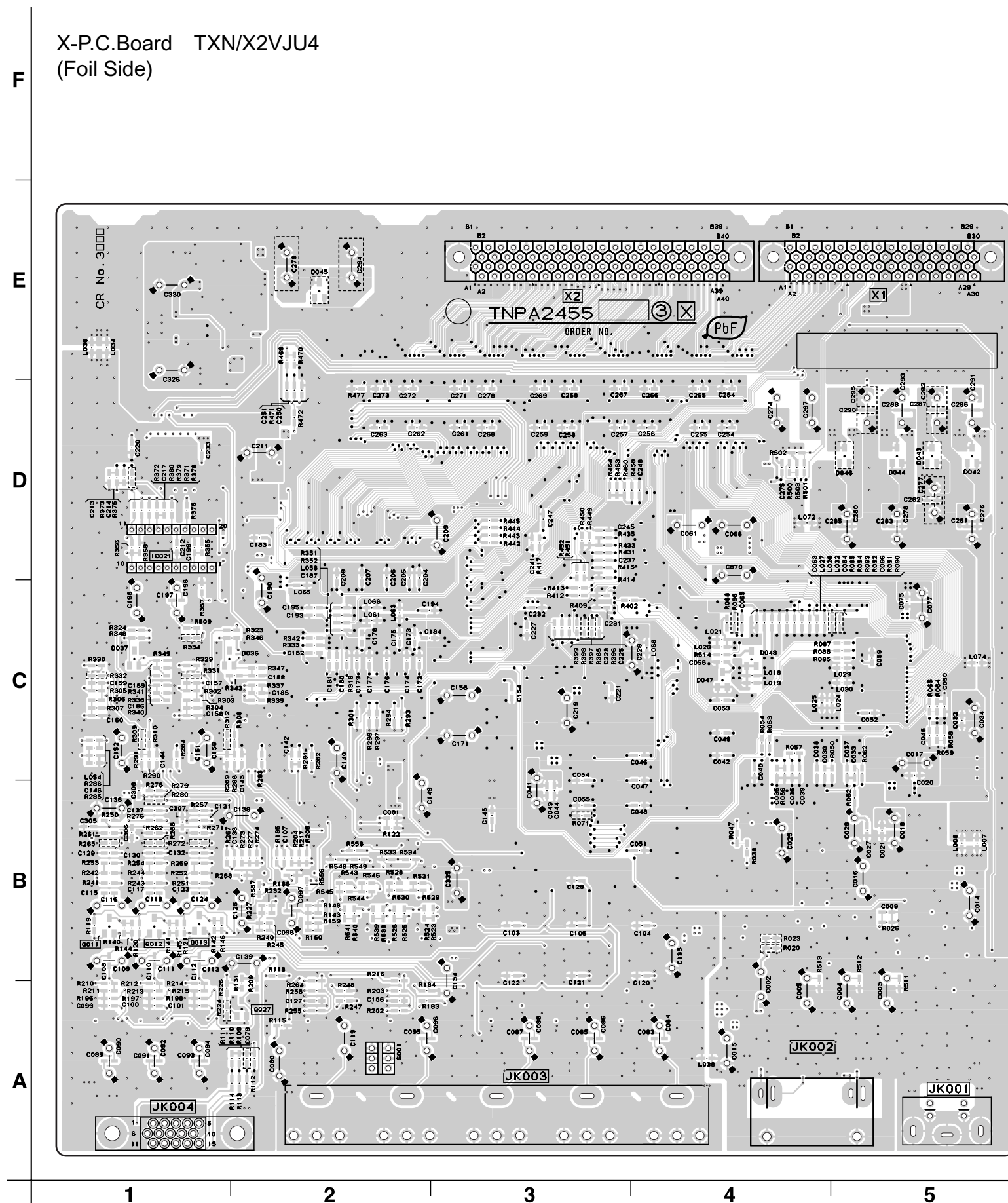


A-P.C.Board (Component Side)			
IC			
IC2001	C-4	IC2619	C-6
IC2019	A-2	IC2620	D-3
IC2020	D-3	IC2622	C-2
IC2022	B-4	IC2624	C-2
IC2025	D-6	IC2625	C-1
IC2028	C-3	IC2626	A-1
IC2029	D-3	IC2627	C-1
IC2604	D-5	IC2628	C-2
IC2605	D-6	IC2630	A-2
IC2609	C-5	IC2631	E-3
IC2610	C-6	IC2633	C-4
IC2613	E-2	IC2634	D-4
IC2614	D-6	IC2635	C-3
IC2617	C-3	IC2636	C-3
IC2618	C-6	IC2637	D-1
TRANSISTOR			
Q2006	E-5	Q2618	B-1
Q2007	E-5	Q2619	B-1
Q2010	E-5	Q2623	B-1
Q2011	E-5	Q2624	B-1
Q2600	D-6	Q2625	A-1
Q2602	D-6	Q2626	A-1
Q2606	A-2	Q2631	E-6
Q2608	E-7	Q2632	E-6
Q2609	E-6	Q2633	E-2
Q2610	E-3	Q2634	E-3
Q2611	E-3	Q2635	E-6
Q2612	E-6	Q2636	E-2
Q2613	E-6	Q2637	E-2
Q2614	E-3	Q2638	E-1
Q2615	E-3		

ADDRESS INFORMATION

16.3. X-P.C.Board,S-P.C.Board (Foil Side)

X-P.C.Board TXN/X2VJU4
(Foil Side)



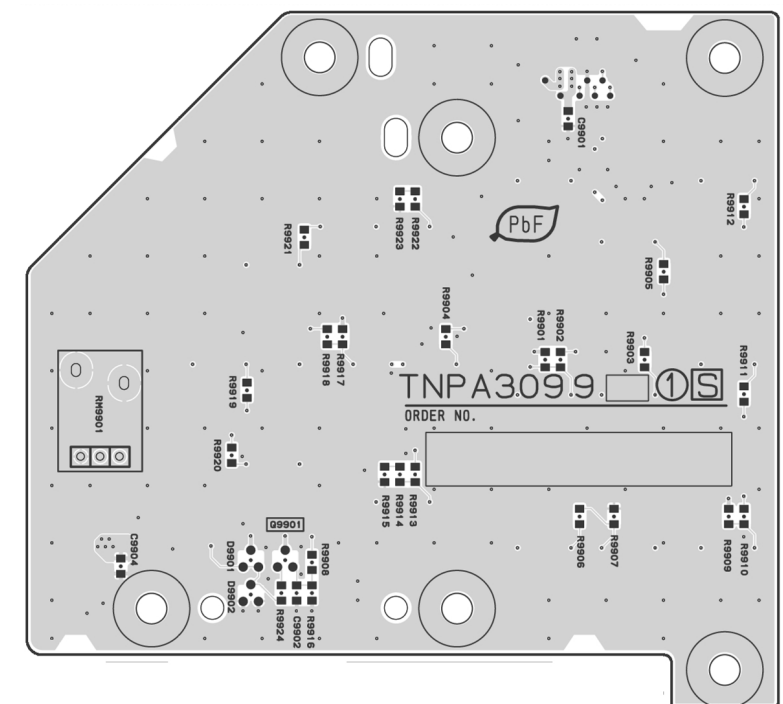
X-P.C.Board (Foil Side)			
IC		TRANSISTOR	
IC3021	D-1	Q3011	B-1
		Q3012	B-1
		Q3013	B-1

ADDRESS INFORMATION

S-P.C.Board TNPA3099
(Foil Side)

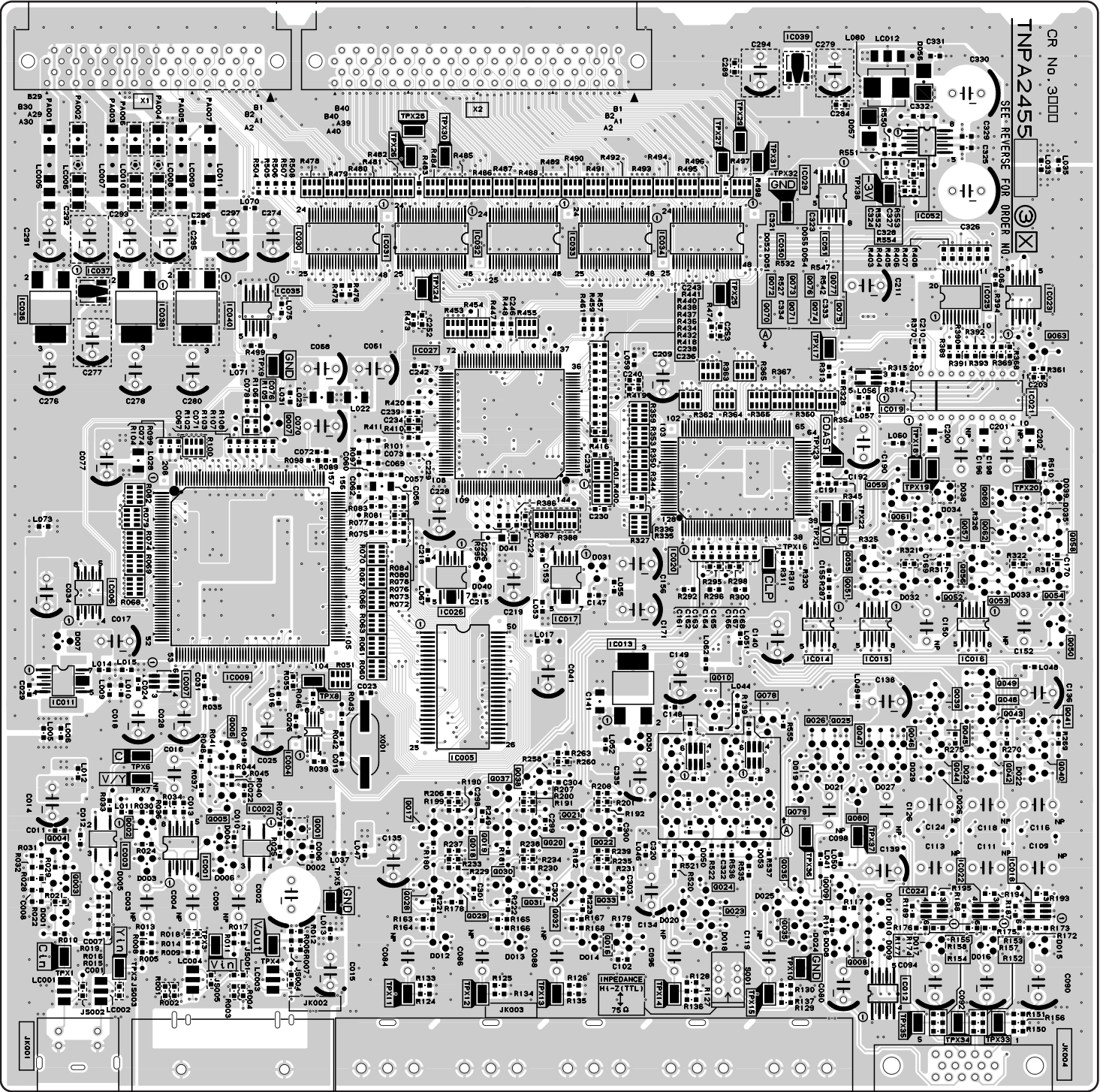
S-P.C.Board (Foil Side)	
TRANSISTOR	
Q9901	A-7

ADDRESS INFORMATION



16.4. X-P.C.Board,S-P.C.Board (Component Side)

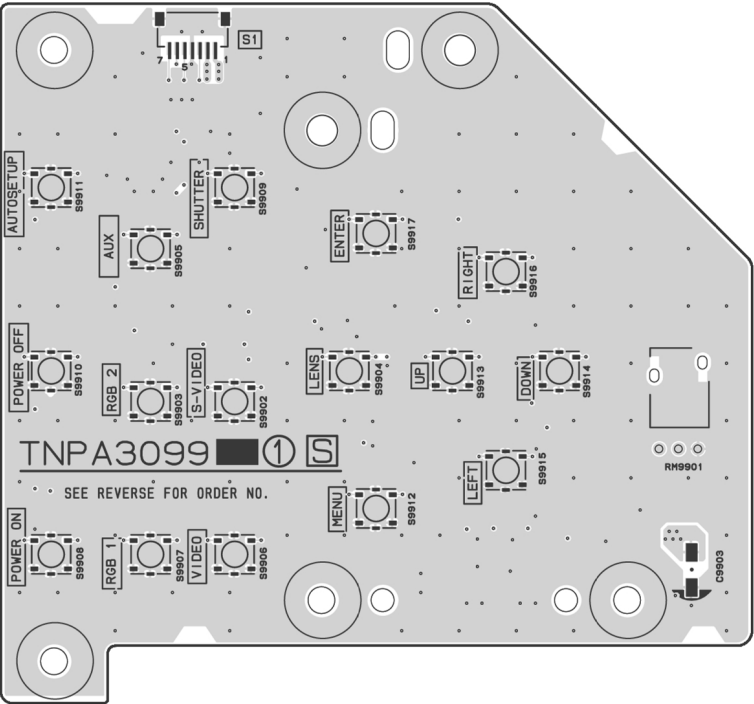
X-P.C.Board TXN/X2VJU4
(Component Side)



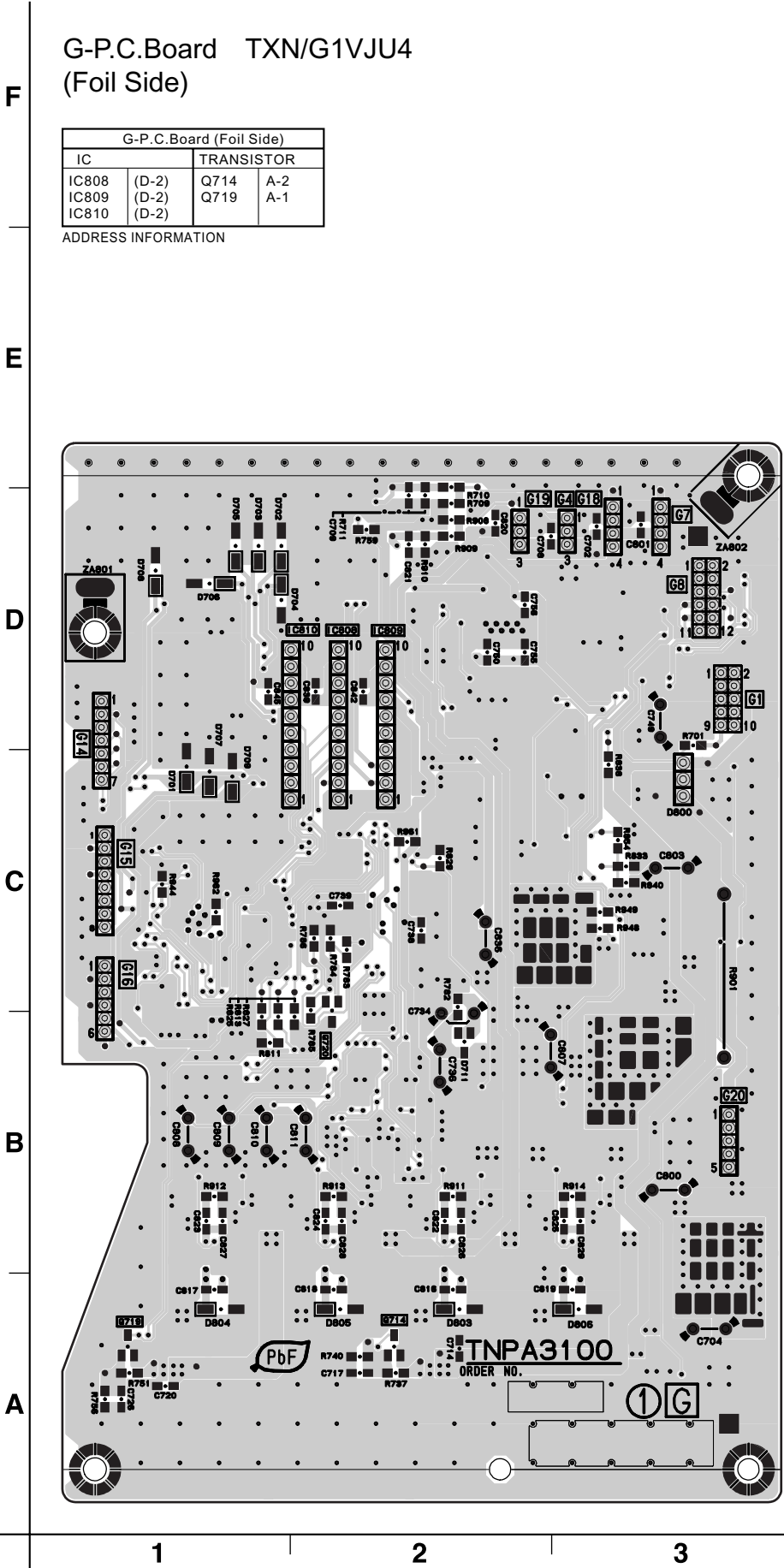
X-P.C.Board (Component Side)											
IC		TRANSISTOR						TP			
IC3001	B-1	IC3025	D-5	Q3001	B-2	Q3025	B-4	Q3052	C-5	TPX1	A-1
IC3002	B-2	IC3026	C-3	Q3002	B-1	Q3026	B-4	Q3053	C-5	TPX2	A-1
IC3003	B-1	IC3027	C-3	Q3003	B-1	Q3035	A-4	Q3054	C-5	TPX3	A-2
IC3004	B-2	IC3029	D-4	Q3004	B-1	Q3036	A-4	Q3055	C-4	TPX4	A-2
IC3005	B-3	IC3030	D-2	Q3005	B-2	Q3037	B-3	Q3056	C-5	TPX5	A-2
IC3006	C-1	IC3031	D-2	Q3006	B-2	Q3038	B-3	Q3057	C-5	TPX6	B-1
IC3007	B-1	IC3032	D-3	Q3007	C-2	Q3039	B-5	Q3058	C-5	TPX7	B-1
IC3009	C-2	IC3033	D-3	Q3008	A-4	Q3040	B-5	Q3059	C-5	TPX8	B-2
IC3011	B-1	IC3034	D-4	Q3009	A-4	Q3041	B-5	Q3060	C-5	TPX9	D-2
IC3012	A-4	IC3035	D-2	Q3010	B-4	Q3042	B-5	Q3061	C-5	TPX10	A-4
IC3013	B-3	IC3036	D-1	Q3016	A-3	Q3043	B-5	Q3062	C-5	TPX11	A-2
IC3014	C-4	IC3038	D-1	Q3017	B-2	Q3044	B-5	Q3063	D-5	TPX12	A-3
IC3015	C-4			Q3018	B-3	Q3045	B-5	Q3078	B-4	TPX13	A-3
IC3016	C-5			Q3019	B-3	Q3046	B-5	Q3079	B-4	TPX14	A-4
IC3017	C-3			Q3020	B-3	Q3047	B-4	Q3080	B-4	TPX15	A-4
IC3019	D-4			Q3021	B-3	Q3048	B-5			TPX16	C-4
IC3020	C-4			Q3022	B-3	Q3049	B-5			TPX17	D-4
IC3021	D-5			Q3023	A-4	Q3050	C-5			TPX18	C-5
IC3023	D-5			Q3024	A-4	Q3051	C-4			TPX19	C-5

ADDRESS INFORMATION

S-P.C.Board TNPA3099
(Component Side)



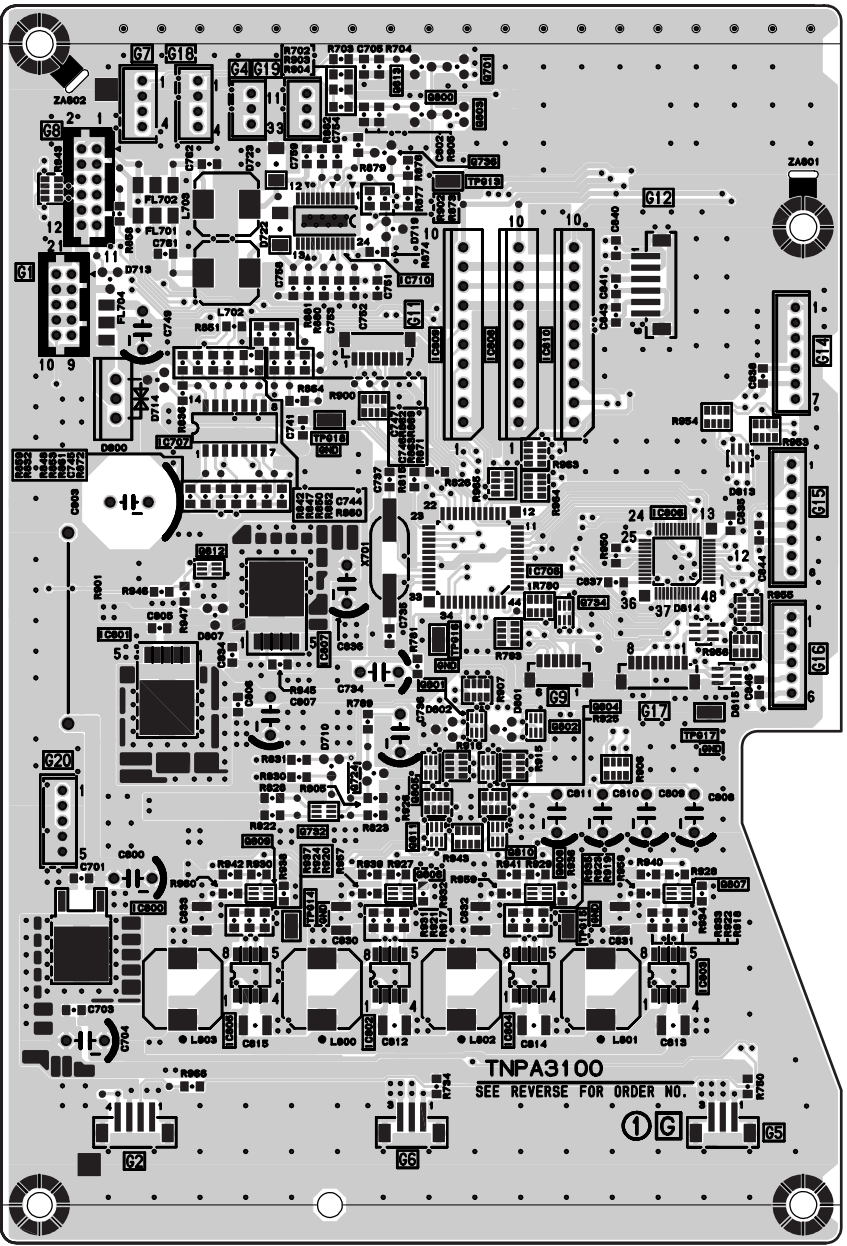
16.5. G-P.C.Board



G-P.C.Board TXN/G1VJU4
(Component Side)

G-P.C.Board (Component Side)											
IC		TRANSISTOR						TP			
IC706	C-6	IC804	A-6	Q701	D-6	Q802	B-6	Q809	B-5	TPG13	D-6
IC707	C-5	IC805	A-5	Q724	B-6	Q803	D-6	Q810	B-6	TPG14	B-6
IC710	D-6	IC806	C-7	Q732	B-6	Q804	B-6	Q811	B-6	TPG15	B-6
IC800	B-5	IC807	C-5	Q734	C-6	Q805	B-6	Q812	C-5	TPG16	C-6
IC801	B-5	IC808	D-6	Q736	D-6	Q806	B-6	Q813	D-6	TPG17	B-7
IC802	A-6	IC809	D-6	Q800	D-6	Q807	B-7			TPG18	C-6
IC803	A-7	IC810	D-6	Q801	B-6	Q808	B-6				

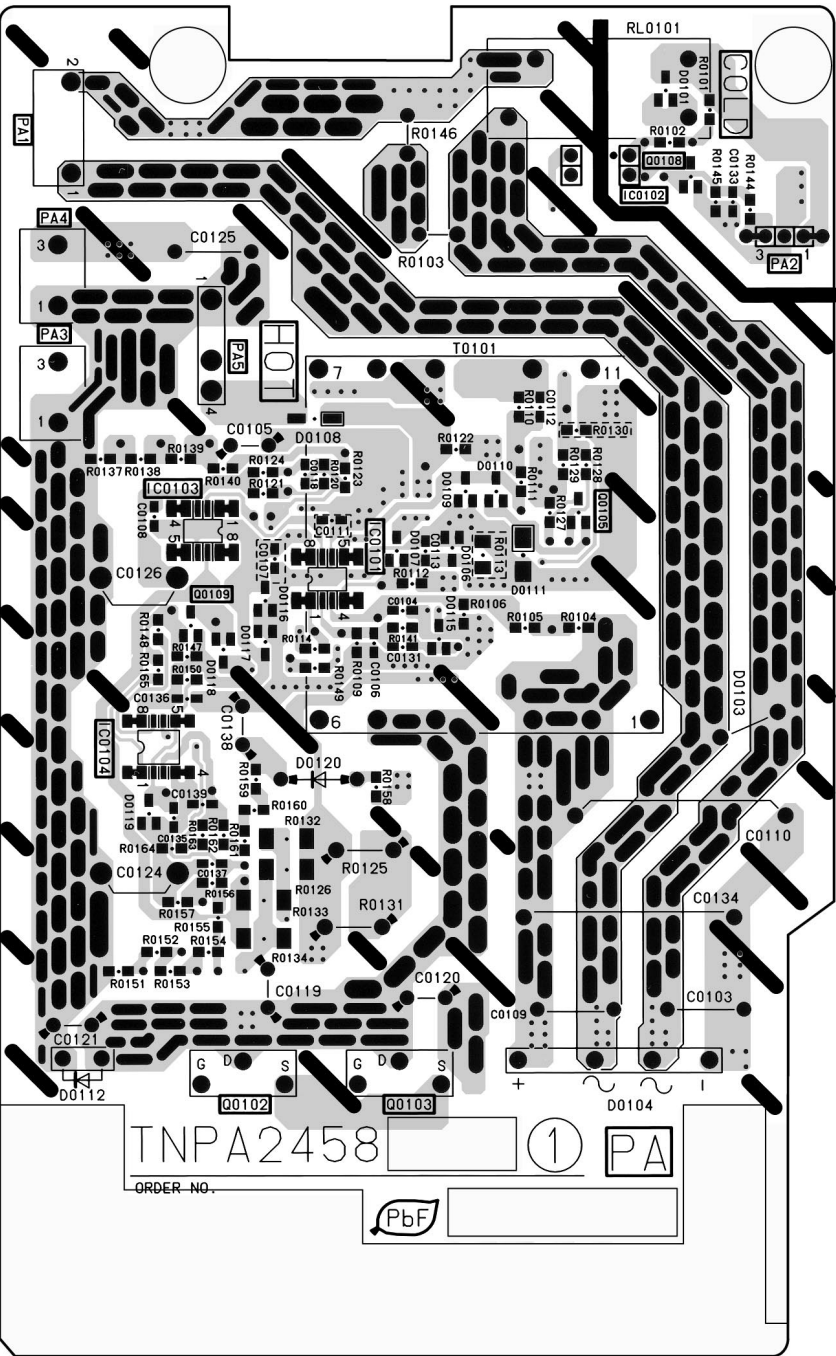
ADDRESS INFORMATION



PA-P.C.Board TNPA2458
(Foil Side)

PA-P.C.Board (Foil Side)			
IC		TRANSISTOR	
IC0101	C-2	Q0102	A-1
IC0102	D-3	Q0103	A-2
IC0103	C-1	Q0105	C-3
IC0104	C-1	Q0108	E-3
		Q0109	C-1

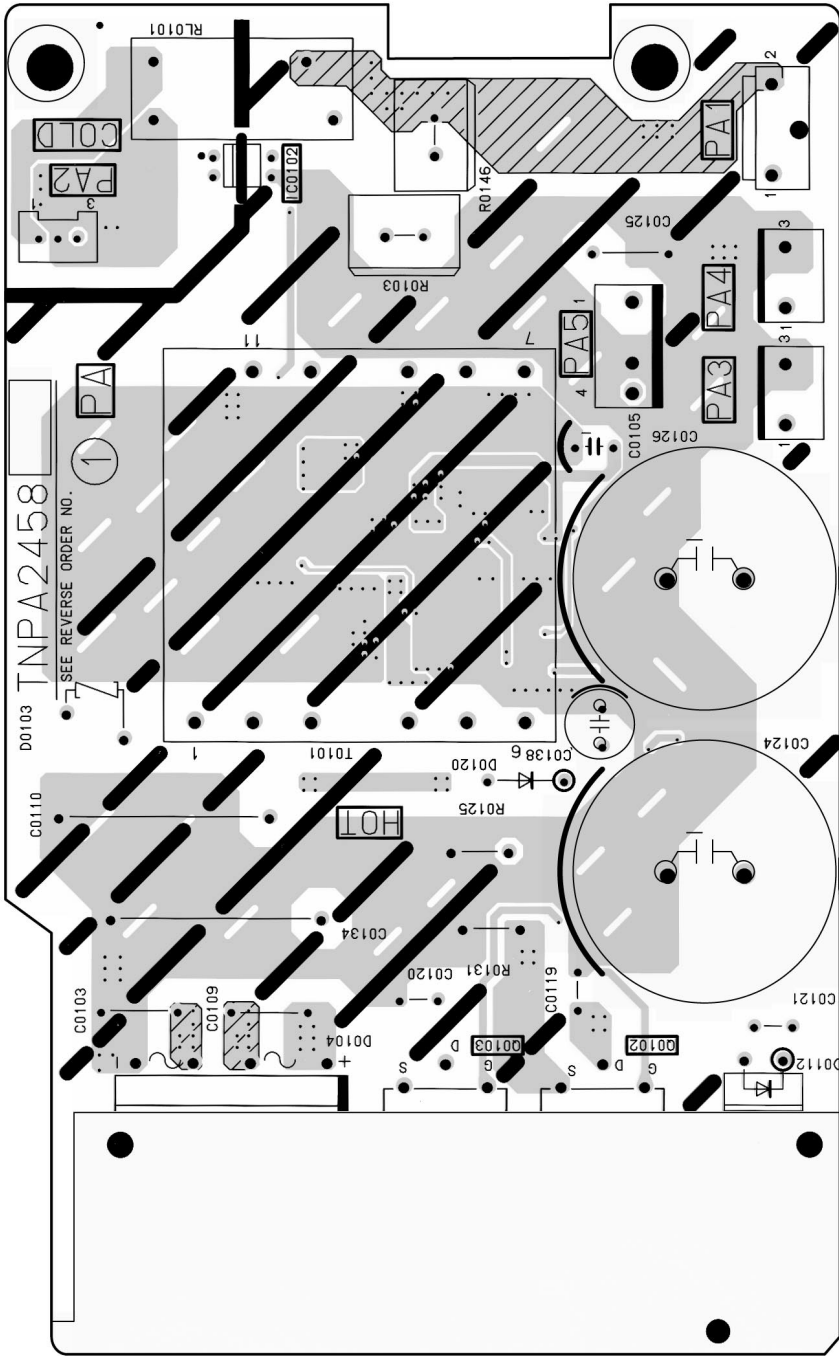
ADDRESS INFORMATION



PA-P.C.Board TNPA2458
(Component Side)

PA-P.C.Board (Component Side)			
IC		TRANSISTOR	
IC0102	E-5	Q0102 Q0103	B-7 B-6

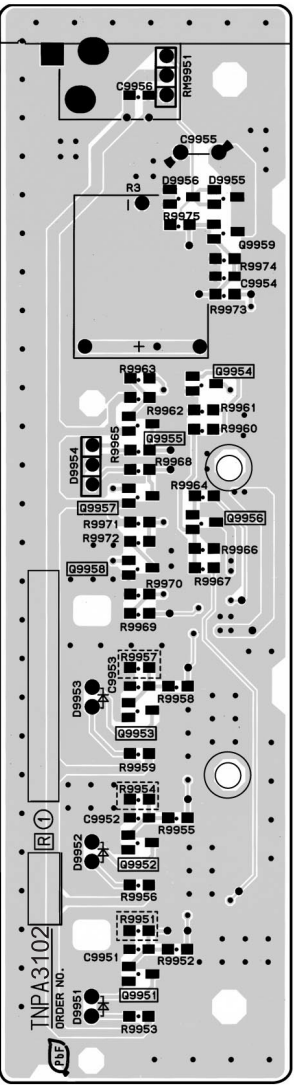
ADDRESS INFORMATION



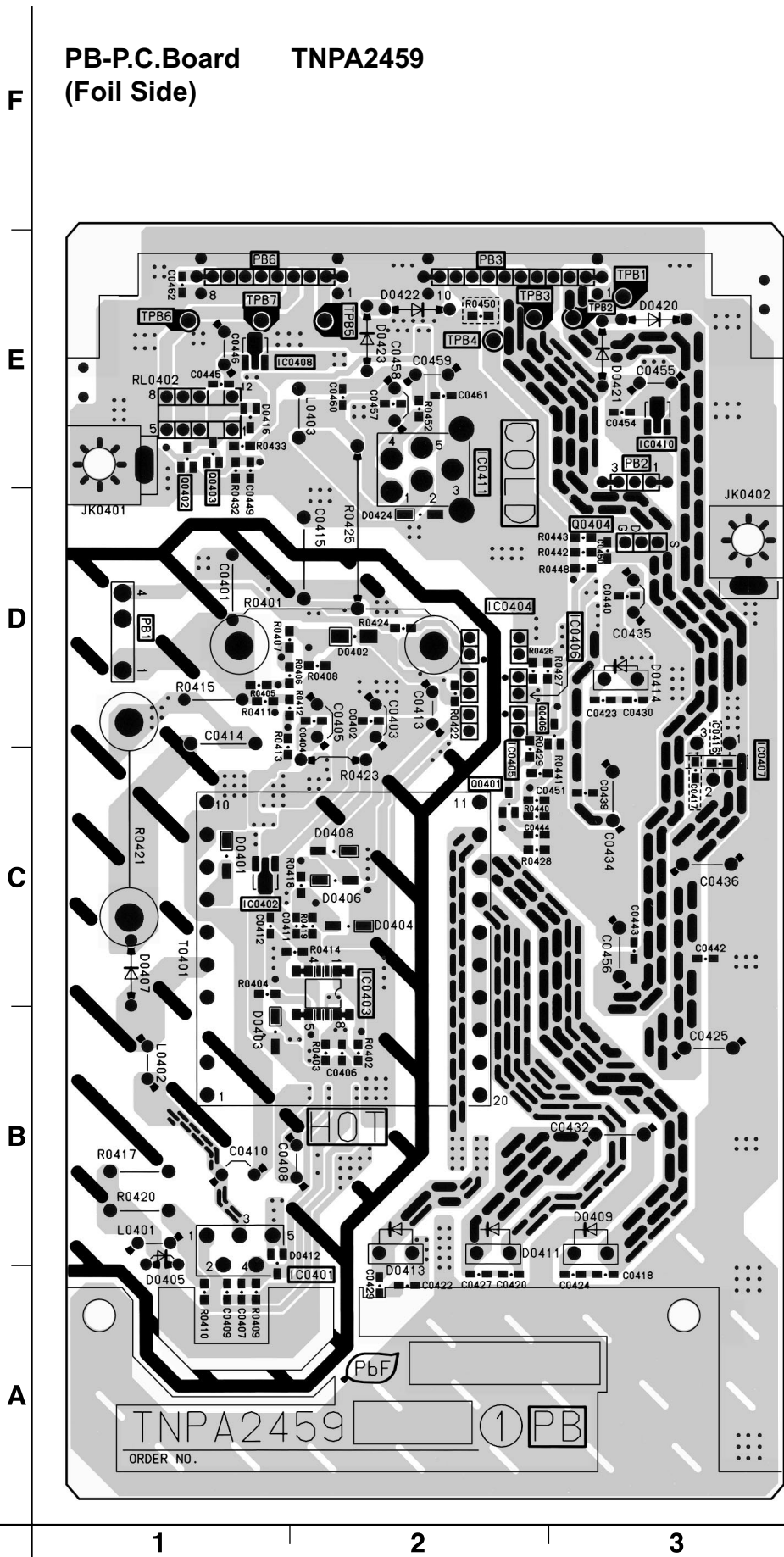
R-P.C.Board
TNPA3102
(Foil Side)

R-P.C.Board (Foil Side)	
TRANSISTOR	
Q9951	A-9
Q9952	A-9
Q9953	B-9
Q9954	C-9
Q9955	C-9
Q9956	B-9
Q9957	C-9
Q9958	B-9
Q9959	C-9

ADDRESS INFORMATION



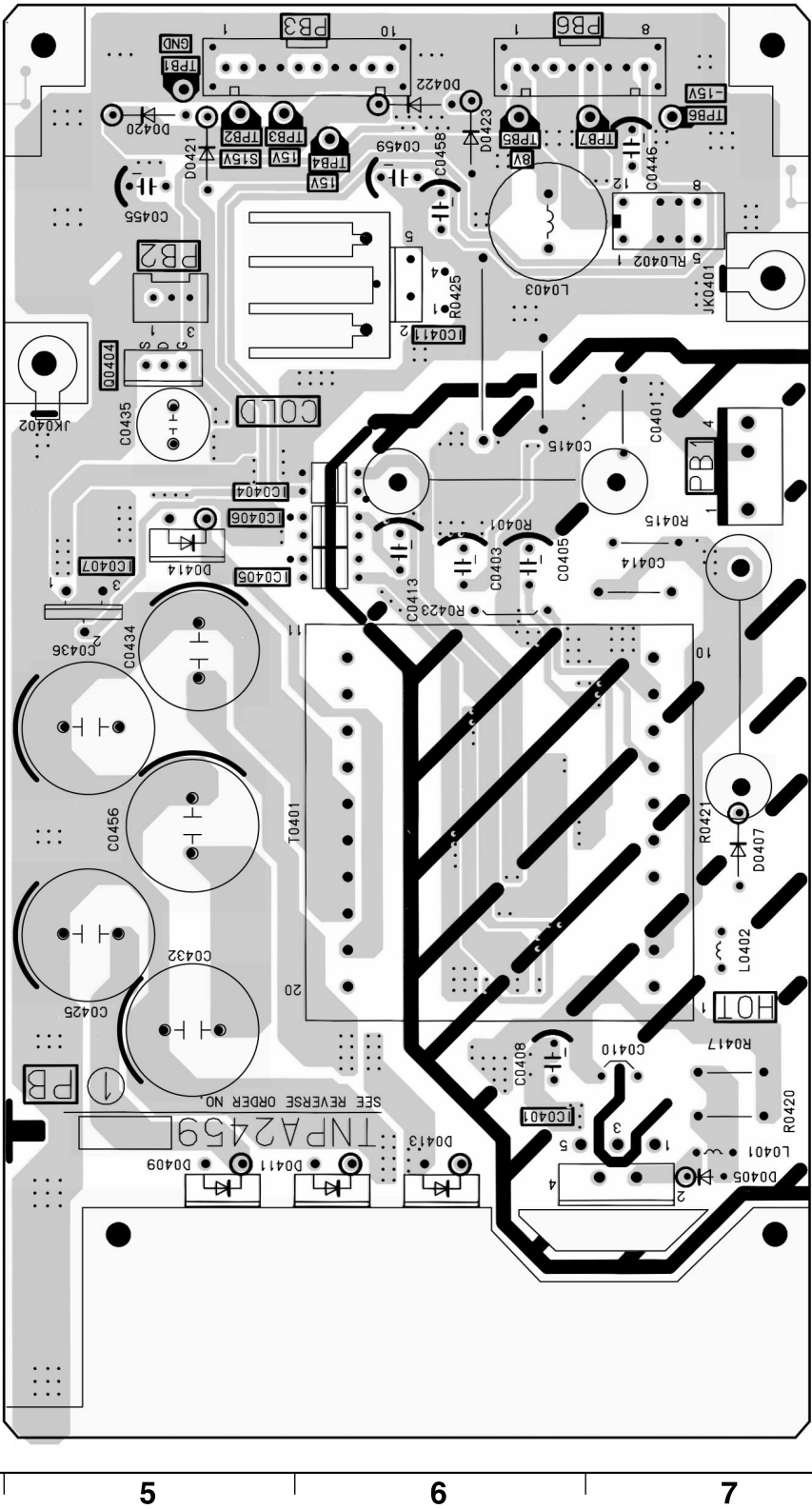
16.7. PB-P.C.Board / R-P.C.Board (Component Side)



PB-P.C.Board (Foil Side)	
IC	
IC0401	B-2
IC0402	C-1
IC0403	C-2
IC0404	D-2
IC0405	C-2
IC0406	D-3
IC0407	C-3
IC0408	E-2
IC0410	E-3
IC0411	E-2
TRANSISTOR	
Q0401	C-2
Q0402	E-1
Q0403	E-1
Q0404	D-3
Q0406	D-2
TPB	
TPB1	E-3
TPB2	E-3
TPB3	E-2
TPB4	E-2
TPB5	E-2
TPB6	E-1
TPB7	E-1

ADDRESS INFORMATION

PB-P.C.Board TNPA2459 (Component Side)



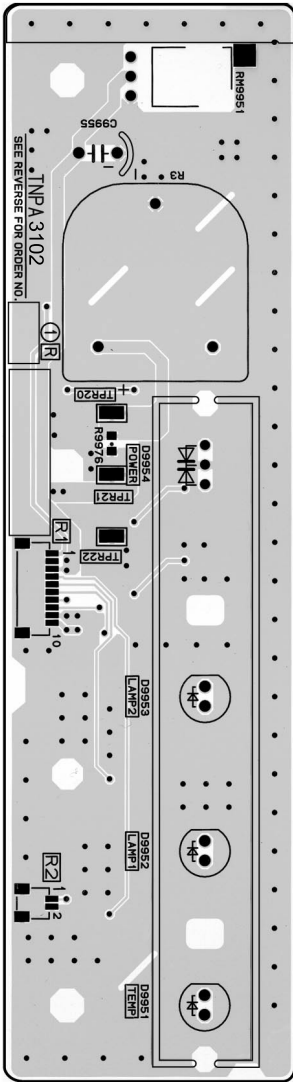
PB-P.C.Board (Component Side)	
IC	
IC0401	B-6
IC0404	D-5
IC0405	D-5
IC0406	D-5
IC0407	D-5
IC0411	D-6
TRANSISTOR	
Q0404	D-5
TPB	
TPB1	E-5
TPB2	E-5
TPB3	E-5
TPB4	E-6
TPB5	E-6
TPB6	E-7
TPB7	E-7

ADDRESS INFORMATION

R-P.C.Board TNPA3102 (Component Side)

R-P.C.Board (Component Side)	
TPR	
TPR20	C-9
TPR21	C-9
TPR22	B-9

ADDRESS INFORMATION

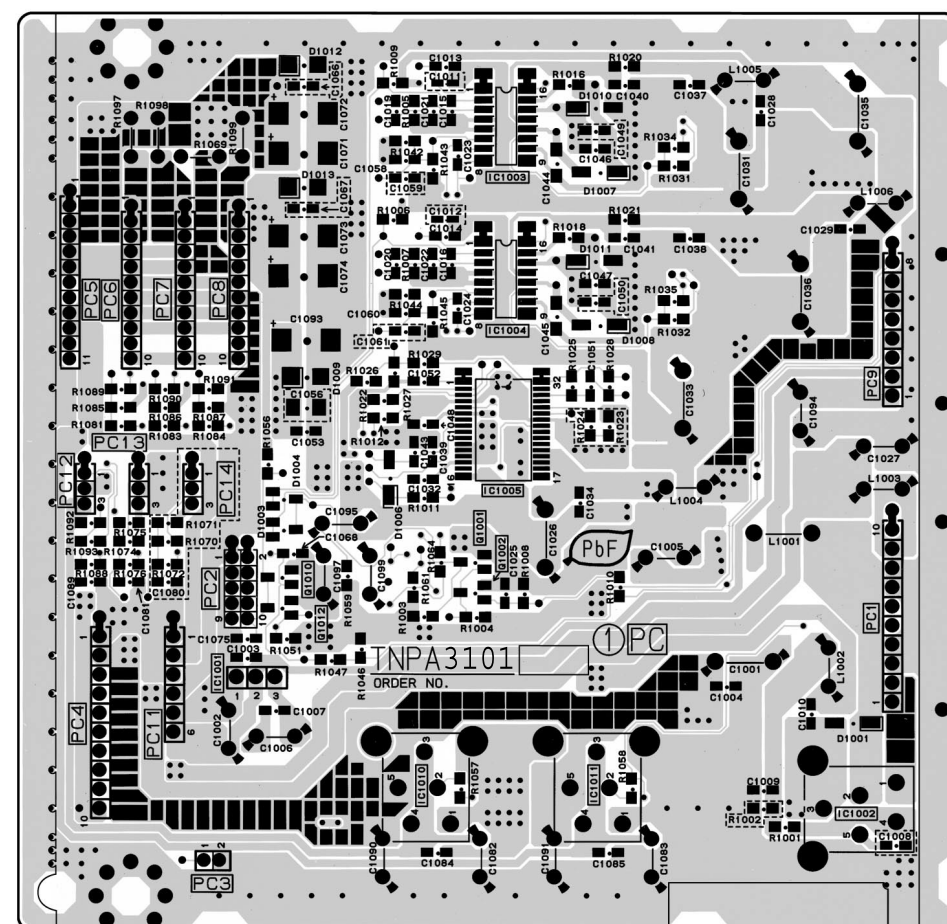


16.8. PC-P.C.Board

PC-P.C.Board TNPA3101
(Foil Side)

PC-P.C.Board (Foil Side)			
IC		TRANSISTOR	
IC1001	A-1	Q1001	B-2
IC1002	A-3	Q1002	B-2
IC1003	C-2	Q1010	B-2
IC1004	C-2	Q1012	B-2
IC1005	B-2		
IC1010	A-2		
IC1011	A-2		

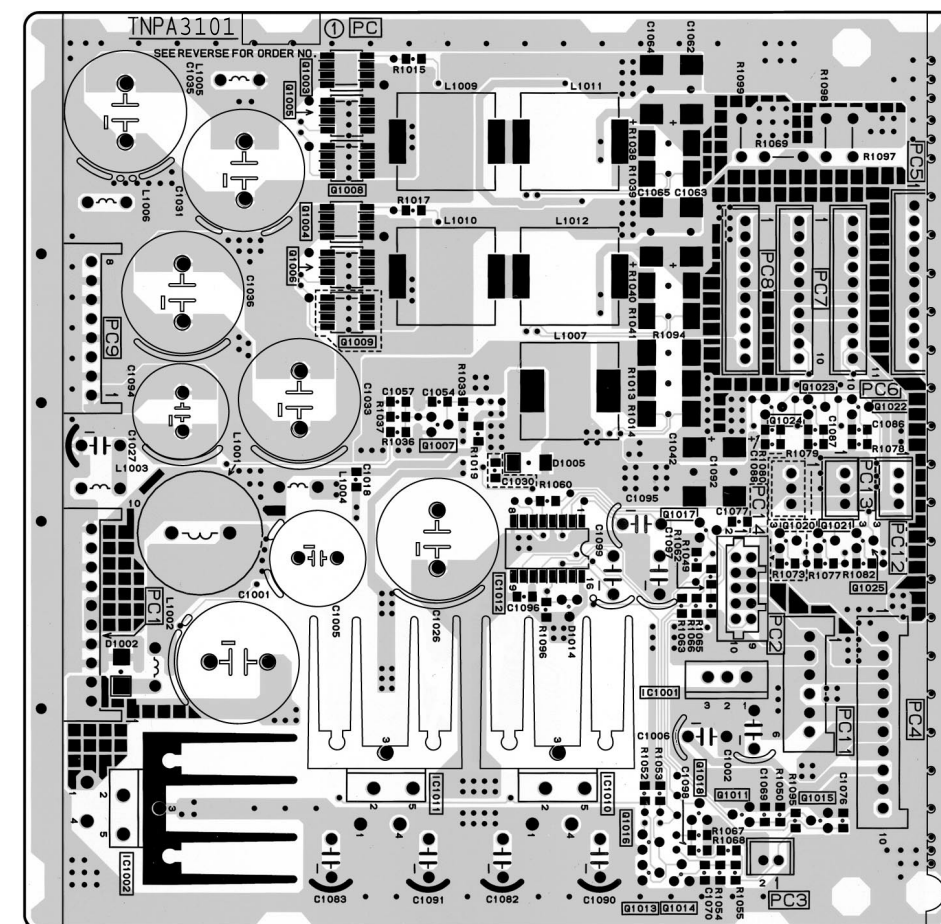
ADDRESS INFORMATION



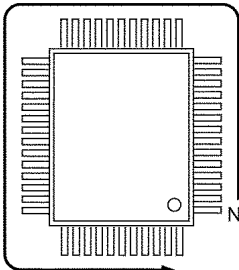
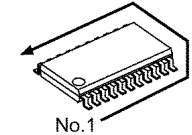
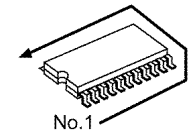
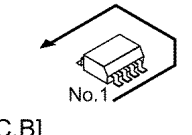
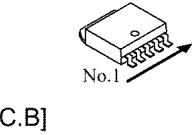
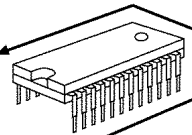
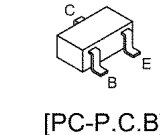
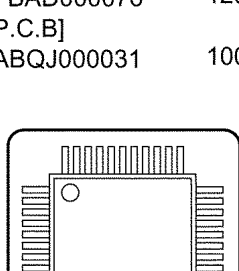
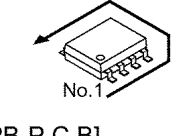
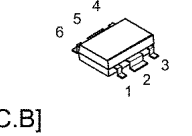
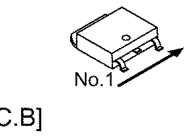
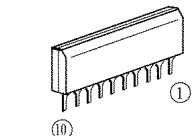
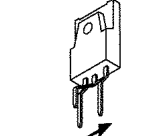
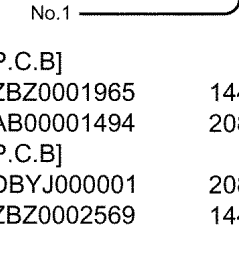
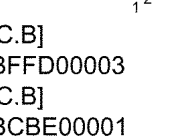
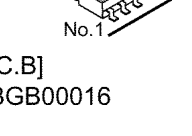
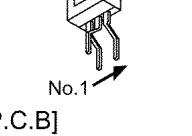
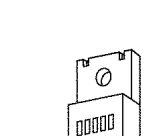
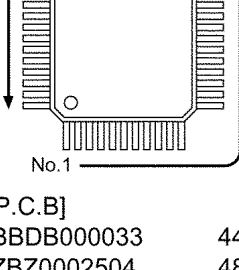
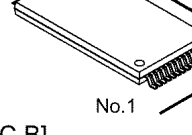
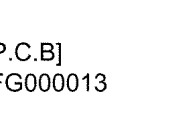
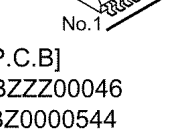
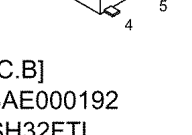
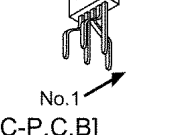
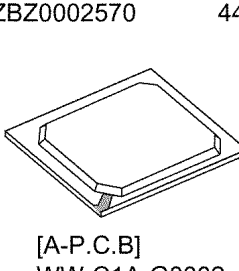
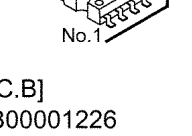
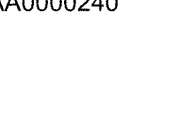
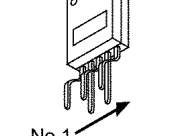
PC-P.C.Board TNPA3101
(Component Side)

PC-P.C. Board (Component Side)					
IC					
IC1001	A-8	Q1003	C-6	Q1015	A-8
IC1002	A-6	Q1004	C-6	Q1016	A-7
IC1010	A-7	Q1005	C-6	Q1017	B-8
IC1011	A-7	Q1006	C-6	Q1018	A-8
IC1012	B-7	Q1007	B-7	Q1021	B-8
		Q1008	C-7	Q1022	B-8
		Q1011	A-8	Q1023	B-8
		Q1013	A-8	Q1024	B-8
		Q1014	A-8	Q1025	B-8

ADDRESS INFORMATION

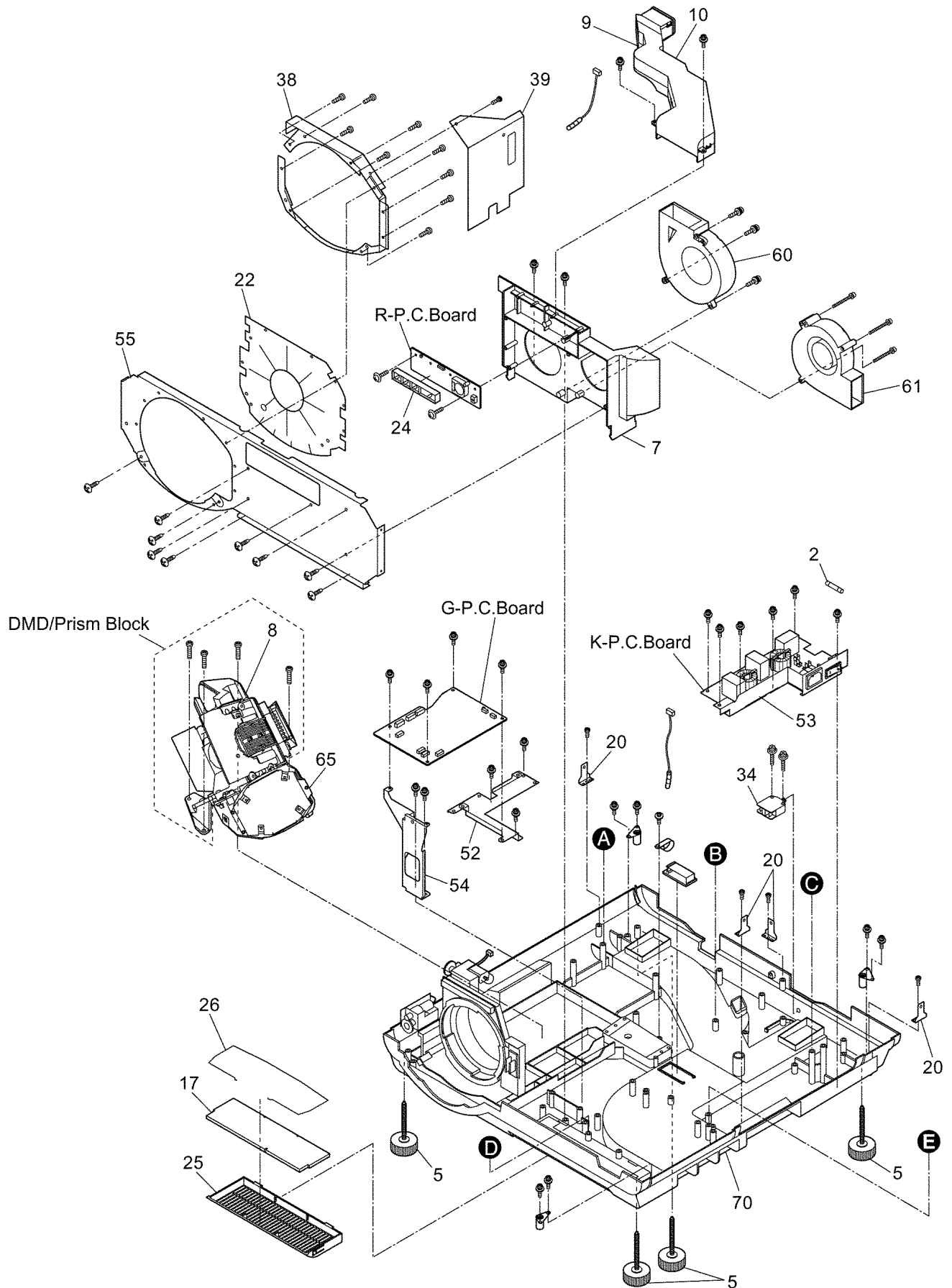


17 Terminal guide of ICs and transistors

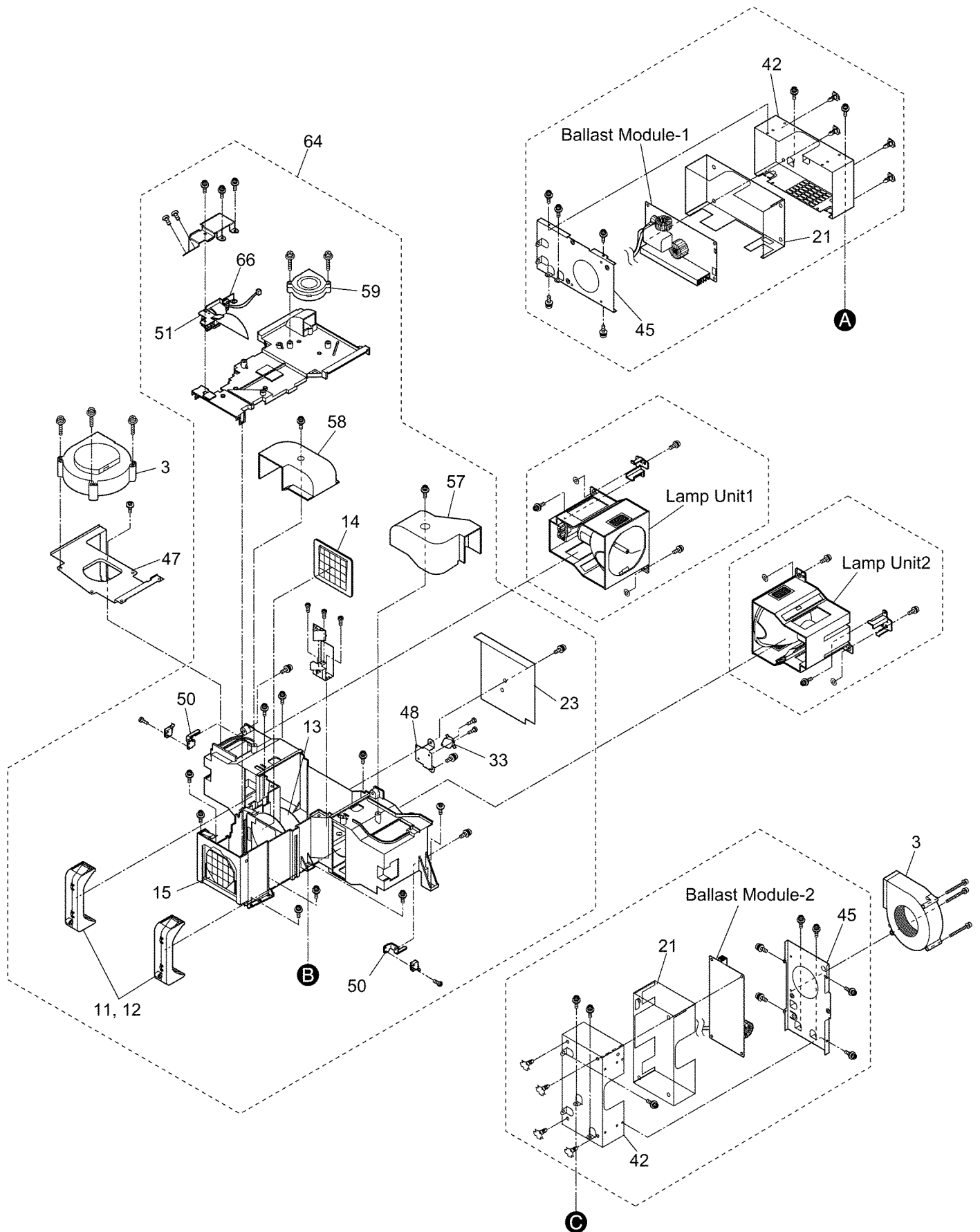
 [X-P.C.B] C0FBAD000076 128 Pin [A-P.C.B] C3ABQJ000031 100 Pin	 [P-P.C.B] MC14538BF 16 Pin C0DBAHZ00002 16 Pin C0DBAZH00006 32 Pin [X-P.C.B] PLPT16244CA 48 Pin TC74LCX541TL 20 Pin TVSA0500 50 Pin [G-P.C.B] C0ABCA000007 14 Pin [A-P.C.B] C0JBAB000290 16 Pin C0JBAB000851 16 Pin C0JBAB000290 16 Pin C1DB00000614 16 Pin C0JBAB000237 20 Pin C0JBAB0001467 20 Pin C0JBAB000124 14 Pin C0JBAB000630 48 Pin C3ABPJ000035 86 Pin C0JBAB0001441 48 Pin C0JBAB0001265 16 Pin C0JBAB000315 20 Pin	 [X-P.C.B] C0JBAZ001953 14 Pin [A-P.C.B] C0JBAR000126 16 Pin	 [A-P.C.B] C3EBLC000019 8 Pin	 [G-P.C.B] C0DBFGE00002 5 Pin C0DBZJD00001 5 Pin [A-P.C.B] C0CBCBF00001 5 Pin C0DBCFG00010 5 Pin C0CBCAG00007 5 Pin	 [X-P.C.B] M52036SP 20 Pin	 [PC-P.C.B] 2SD601AR
 [X-P.C.B] C1ZBZ0001965 144 Pin C1AB00001494 208 Pin [A-P.C.B] C2DBYJ000001 208 Pin C1ZBZ0002569 144 Pin		 [PA,PB-P.C.B] AN6914S 8 Pin [X-P.C.B] TC4W53F 8 Pin 24LC21T-I/SN 8 Pin M51957BEP 8 Pin UPC842G2 8 Pin [G-P.C.B] C0DBAKH00003 8 Pin [A-P.C.B] C0EBB0000024 8 Pin C0JBAB000529 8 Pin C0DBEGH00003 8 Pin	 [A-P.C.B] C0DBZFF00003 6 Pin	 [X-P.C.B] C0CBADG00003 3 Pin [G-P.C.B] C0CBADG00012 3 Pin	 [G-P.C.B] C0GAK0000007 10 Pin	 [PA-P.C.B] 2SK2917
 [X-P.C.B] C1ZBZ0001965 144 Pin C1AB00001494 208 Pin [A-P.C.B] C2DBYJ000001 208 Pin C1ZBZ0002569 144 Pin			 [A-P.C.B] C0DBFFD00003 7 Pin [X-P.C.B] C0CBCBE00001 7 Pin C0DBFFD00003 7 Pin	 [X-P.C.B] C0ABGB00016 6 Pin	 [PB-P.C.B] C0EAS0000012 3 Pin	 [PB-P.C.B] 2SJ307
 [G-P.C.B] C2BBDB000033 44 Pin C1ZBZ0002504 48 Pin [A-P.C.B] C0JBAP000020 64 Pin C1ZBZ0002570 44 Pin	 [A-P.C.B] TVRN000 48 Pin IC611(A-PCB)	 [PC-P.C.B] B1DFG000013 8 Pin	 [PA-P.C.B] C0DBZZZ00046 8 Pin C0ZBZ0000544 8 Pin	 [X-P.C.B] C0JBAE000192 5 Pin TC7SH32FTL 5 Pin	 [PB,PC-P.C.B] SI-8050S 5 Pin [PC-P.C.B] SI-3120F 5 Pin	
 [A-P.C.B] C0JBAP000020 64 Pin C1ZBZ0002570 44 Pin		 [X-P.C.B] C1AB00001226 8 Pin		 [PB-P.C.B] B3PAA0000240 8 Pin	 [PB-P.C.B] STRF6676LF52 5 Pin	
 [A-P.C.B] WW-C1A-G0002 C1ZBZ0002568 C1AB00001917						

18 Exploded Views

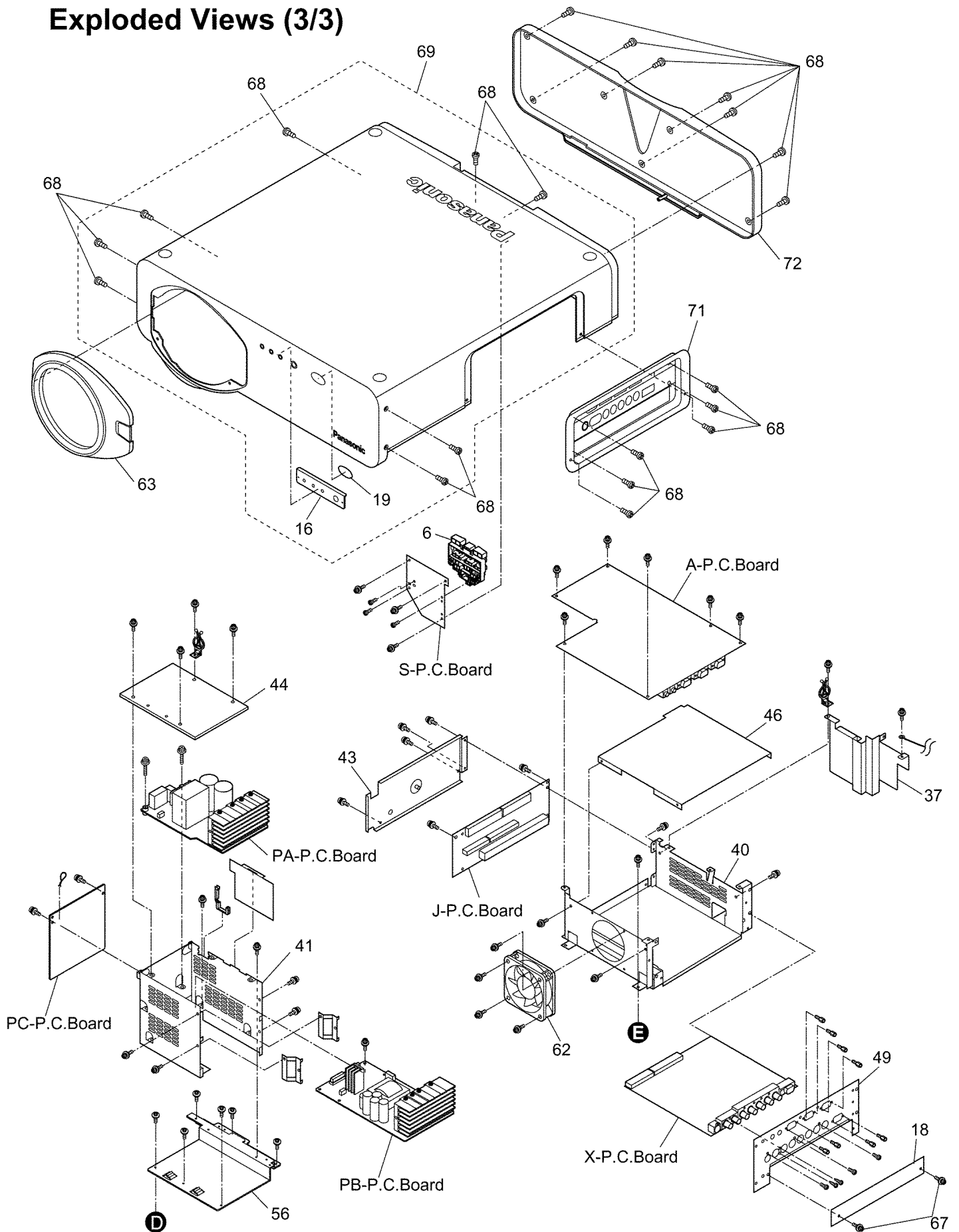
Exploded Views (1/3)



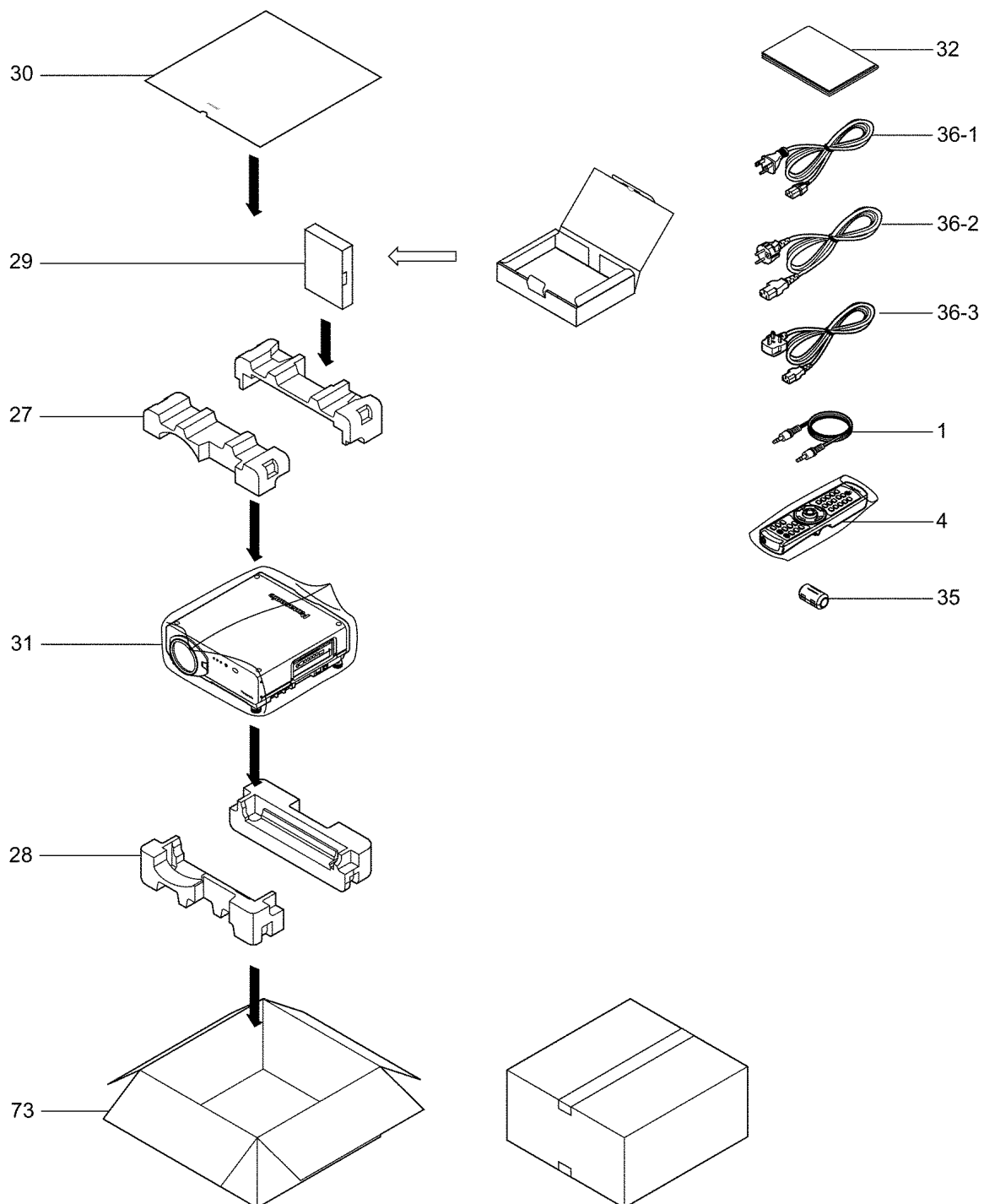
Exploded Views (2/3)



Exploded Views (3/3)



Packing Parts



19 Replacement Parts List

Important Safety Notice

Components identified by the International symbol  have special characteristics important for safety.
When replacing any of these components, use only the manufacturer's specified parts.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W

TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Carbon	F : - 1 %
F : Fuse	G : - 2 %
M : Metal Oxide	J : - 5 %
Metal Film	K : -10%
S : Solid	M : -20%
W : Wire Wound	

2. Capacitor

Example:

ECKF1H103ZF C 0.01PF, Z, 50V

TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Ceramic	C : -0.25 pF
E : Electrolytic	D : -0.5 pF
P : Polyester	F : - 1 pF
PP : Polypropylene	J : - 5 %
S : Polystyrol	K : -10 %
T : Tantalum	L : -15 %
	M : -20 %
	P : +100 %, -0 %
	Z : +80 %, -20 %

Notes:

Printed circuit board assembly with mark (RTL) is no longer available after production discontinuation of the complete set.

Ref. No.	Part No.	Part Name & Description	Remarks
[MECHANICAL PARTS]			
	D4CDH4930002	THERMISTOR	
	J0KA00000033	CORE	
1	K1EA03NA0001	REMOTE CONTROLL CABLE	
2	K5D153AQ0001	FUSE	 PT-D7700U
	K5D632BN0002	FUSE	 PT-D7700E PT-D7700E-K
3	L6FCNGFH0002	FAN (BALLAST)	
4	N2QAGB000024	REMOTE CONTROLLER	
5	TBLB3081	ADJUSTER	
	TBMA158	LOGO MARK	
	TBMF581	MODEL NAME PLATE	PT-D7700U
	TBMF582	MODEL NAME PLATE	PT-D7700U-K
	TBMF583	MODEL NAME PLATE	PT-D7700E
	TBMF584	MODEL NAME PLATE	PT-D7700E-K
	TBXA37201	LENS EXCHANGE SWITCH	
	TBXA37301	RELEASE BUTTON (LENS GRILL)	
6	TBXA37401	CONTROL BUTTON	
	TEDX5001	ENGINE BASE	
	TEEC5094	DUCT COVER(BOTTOM COVER)	
7	TEEC5099-1	FAN BOX	
8	TEEC5100	DUCT (A)	
9	TEEC5101-2	DUCT (B)	
10	TEEC5102	DUCT (C)	
11	TEEC5153	DUCT UPPER/BOTTOM 1	
12	TEEC5154	DUCT UPPER/BOTTOM 2	
	TEEC5155	DUCT LEFT-BOTTOM	
	TEEC5156	DUCT RIGHT-BOTTOM	
	TEFC5003	INSULATOR	
	TEJC016	RELEASE MERAL (LENS GRILL)	
	TEJF024	SHAFT (DUCT)	
	TEKX025	ROTATION PLATE(DUCT)	
	TESA118	SPRING	
	TESA179	SPRING	
	TESA180-1	SPRING	
	TESA185	SPRING	
	TESA203	SPRING	
	TESA204-1	PLATE	

Ref. No.	Part No.	Part Name & Description	Remarks
	TESA205	SPRING	
	TESD049	SPRING (LENS GRILL)	
	TEWA062	SPACER	
	TEWA079	SPACER	
	TEWA188-1	SHEET	
	TEWA196	SHIELD TIGHTNESS 2	
	TEWA217	SPACER	
	TEWA218	SPACER	
	TEWA222	SPACER	
	TEWA223	SPACER	
	TEWA228	SPACER	
	THEC035N	SCREW	
13	TKGF5157	CAPACITOR LENS	
14	TKGF5211	FIRST LENS ARRAY	
15	TKGF5212	SECOND LENS ARRAY	
16	TKKC5156	LED GUIDE PLATE	
	TKNC046	DUCT MESH(BOTTOM COVER)	
17	TKNE050	FILTER	
18	TKPA33902	BLINDFOLD BOARD	
19	TKPA69501	REMOTE CONTROL RECEIVER (FRONT)	
	TKPA69601	REMOTE CONTROL RECEIVER (REAR)	
20	TKZX5162	COVER INSTAL METAL (BOTTOM)	
	TKZX5163	ADJUSTER PLATE(BOTTOM)	
	TMKG339	SHEET	
	TMKG353	FIRE SHEET	
	TMKG354	FIRE SHEET	
	TMKG355	FIRE SHEET	
	TMKG356	FIRE SHEET	
	TMKG512	FIRE SHEET	
	TMKK160	SHEET	
	TMKK175	SHEET	
	TMKX415	BARRIER(POWER BLOCK)	
21	TMKX416-1	BALLAST BARRIER	
	TMKX473	HEAT SINK COVER	
22	TMKX485	DUSTPROOF SHEET (LENS GRILL)	
	TMKX486	WIND GUIDE PLATE 1	
	TMKX487	WIND GUIDE PLATE 2	
	TMKX767	WIND GUIDE PLATE 3	
23	TMKX492	HEAT INSULATION COVER	

Ref. No.	Part No.	Part Name & Description	Remarks
	TMKX495	HEAT INSULATION COVER	
	TMKX500	ALUMINUM SHEET	
	TMM16473-1	CLAMPER	
	TMM16497-1	CLAMPER	
	TMM6463-1	CLAMPER	
	TMM6496-1	CLAMPER	
	TMM7443-3	CLAMPER	
24	TMMD009	LED HOLDER	
	TMME094	CLAMPER	
	TMME155	SPACER	
	TMME211	SPACER	
	TMME212	SPACER (POWER BLOCK)	
	TMME213	CLAMPER (BOTTOM COVER)	
	TMME221	CLIP	
	TMME242	LONG CAP SPACER	
	TMME243	SPACER	
	TMMX091	SPACER (POWER BLOCK)	
	TMMX092	SPACER (POWER BLOCK)	
	TMX13439	GUIDE	
25	TMZX5028	FILTER FRAME	
26	TMZX5029	FILTER HOLD	
27	TPDA0658-1	CUSHION (UPPER)	
28	TPDA0659-1	CUSHION (BOTTOM)	
29	TPDF0818	ACCESSARY PACKING CASE	
30	TPDF0958	PAD (TOP)	
31	TPEH187-1	SET COVER	
	TQBH7018	TRANSPORT CAUTION SHEET	
	TQB817002-1	SAFETY SHEET	PT-D7700E PT-D7700E-K
32	TQB0146	INSTRUCTION BOOK	△ PT-D7700U
	TQB0147	INSTRUCTION BOOK	△ PT-D7700E PT-D7700E-K
	TQD1712010	SHEET	
	TQDJ18018	GUARANTEE CARD	PT-D7700E PT-D7700E-K
	TQDJ39001	SERVICE CENTER LIST	PT-D7700E PT-D7700E-K
33	TSEX0004	BIMETAL	△
34	TSEX8005	SWITCH	△ K0ADB0000007
35	TSK1018	FERRITE CORE	△ J0KG00000013
36-1	TSX1483	POWER CORD (K2CF3EH00001)	△ PT-D7700U
36-2	TSX3105-1	POWER CORD (K2AZ3Z000003) (EUROP)	△ PT-D7700E PT-D7700E-K
36-3	TSXA050	POWER CORD (K2CM3EH00005) (U.K)	△ PT-D7700E PT-D7700E-K
	TSXL409	FLEX CABLE (A-FG)	
	TSXL410	FLEX CABLE (FG-FB)	
	TSXL411	FLEX CABLE (FB-FR)	
	TUC25653	HEAT SINK	
37	TUCC5848	SHIELD PLATE	
38	TUCC5849	ELECTRIC GUIDE METAL	
39	TUCC5992	FRONT SHEILD BOARD	
	TUCJ5351	HEAT SINK	
	TUCJ5443	HEAT SINK	
	TUCX5174	SHUTTER 1 (DUCT)	
	TUCX5175	SHUTTER 2 (DUCT)	
40	TUSA052-1	SINGAL COVER (MAIN)	
41	TUSA053	POWER COVER (MAIN)	
42	TUSA054-1	BALLAST CASE (MAIN)	
43	TUSD048-1	SIGNAL COVER (REAR)	
44	TUSD049	POWER COVER (UPPER)	
45	TUSD050	BALLAST CASE (COVER)	
46	TUSX006	SIGNAL COVER PARTITION	
47	TUSX007	FAN INSTAL METAL (BALAST-L)	△ PT-D7700E-K
48	TUWC033	BIMETAL METAL	
49	TUWE122	TERMINAL METAL	
	TUWX092	PRISM PLATE	
	TUWX093	SIDE PLATE (BOTTOM COVER)	
	TUXA161	SIGNAL CASE	
	TUXA199	REINFORCEMENT METAL	

Ref. No.	Part No.	Part Name & Description	Remarks
50	TUXA192	SENSOR INSTAL METAL	
51	TUXA194	PLATE	
	TUXA195	UNIT BASE	
52	TUXE192	G-PCB INSTAL METAL (REAR)	
53	TUXE193-1	PCB INSTAL METAL (K-PCB)	
54	TUXE232	F-PCB INSTAL METAL (FRONT)	
	TUXJ098	INSTAL METAL (POWER BLOCK)	
55	TUXX251-1	FAN BOX COVER	
56	TUXX260	POWER INSTAL BASE (BOTTOM)	
	TXFED01VJU4	LENS MOUNT ASSY	
57	TXFEE02VJU4	DUCT (LEFT-TOP)	
58	TXFEE03VJU4	DUCT (RIGHT-TOP)	
59	TXFEKF1VJM8A	FAN (ANALYSIS BLOCK)	△
60	TXFEKG4VJM8A	FAN (PRISM)	△
61	TXFEKG7VJM8A	FAN (POWER BLOCK)	△
62	TXFEKG18VJU4	FAN (80 FAN)	△
63	TXFKJVJM8	LENS GRILL ASSY	
	TXJ/A9VJU4	WIRE LEAD (A9-FG3)	
	TXJ/E01VJM8A	WIRE LEAD (INLET-EARTH)	
	TXJ/G1VJM8A	WIRE LEAD (G1-PC2)	
	TXJ/G5VJM8	WIRE LEAD (G5-BALLASTFAN L)	
	TXJ/G6VJM8A	WIRE LEAD (G6-BALLASTFAN R)	
	TXJ/G8VJU4	WURE LEAD (G8-H1)	
	TXJ/J6VJM8A	WIRE LEAD (J6-PC4)	
	TXJ/J7VJM8A	WIRE LEAD (J7-PC11)	
	TXJ/K1VJM8A	WIRE LEAD (K1-BIMETAL)	
	TXFMVVJU4	GEAR MOTOR (MV)	
	TXFMHVJU4	GEAR MOTOR (MH)	
	TXFMFVJU4	GEAR MOTOR (Mf)	
	TXJ/R2VJM8	WIRE LEAD (R2-PC3)	
	TXJA10VJU4	WIRE LEAD (A10-FB3)	
	TXJA11VJU4	WIRE LEAD (A11-FR3)	
	TXJA12VJM8B	WIRE LEAD (A12-PC5)	
	TXJA14VJU4	WIRE LEAD (A14-G9)	
	TXJA20VJM8	WIRE LEAD (A20-R1)	
	TXJA26VJM8	WIRE LEAD (A26-S1)	
	TXJA27VJM8	WIRE LEAD (A27-G2)	
	TXJA29VJM8	WIRE LEAD (A29 CONNECTOR)	
	TXJA30VJM8	WIRE LEAD (A30 CONNECTOR)	
	TXJA35VJU4	WIRE LEAD (Q34/A35-CN2A)	
	TXJA36VJU4	WIRE LEAD (L1-SW)	
	TXJA37VJU4	WIRE LEAD (L2-SW)	
	TXJE02VJM8	WIRELEAD (LENSMOUNT-BASE A)	
	TXJE03VJM8	WIRELEAD (BALLAST L-BASE B)	
	TXJE04VJM8	WIRE LEAD (GND)	
	TXJFR5VJM8	WIRE LEAD	
	TXJG12VJU4	WIRE LEAD (G12-MF, MH, MV)	
	TXJG14VJM8	WIRELEAD (G14-ZOOM CONNECTOR)	
	TXJG19VJU4	WIRE LEAD (G19-ANALYSIS CASE FAN)	
	TXFG15VJM8	WIRE LEAD (SHUTTER)	
	TXJPA1VJM8	WIRE LEAD (PA1-BIMETAL)	
	TXJPA2VJM8	WIRE LEAD (PA2-PB2)	
	TXJPA34VJM8	WIRE LEAD (PA3-CN1)	
	TXJPA5VJM8	WIRE LEAD (PA5-PB1)	
	TXJPC6VJM8A	WIRE LEAD (PC6-FR2)	
	TXJPC7VJM8A	WIRE LEAD (PC7-FG2)	
	TXJPC8VJM8A	WIRE LEAD (PC8-FB2)	
64	TXZEE01VJU4	ANALYSIS BLOCK	
65	TXZEE02VJM8	ANALYSIS MIRROR ASSY	
	TXZEK01VJU4	SHUTTER	
	TXZGP01VJU4	PRISM (ANALYSIS BLOCK)	
66	TXZTE01VJU4	MECA VARIEGATION UNIT	
67	XSB3+8FC	SCREW	
68	XSB4+10FC	SCREW	
	XSB4+10FZ	SCREW	

Ref. No.	Part No.	Part Name & Description	Remarks
	XSN4+15	SCREW	
	XSN6+6	SCREW	
	XSS3+6	SCREW	
	XTN3+6G	SCREW	
	XTV3+8A	SCREW	
	XTV3+8G	SCREW	
	XTV3+8J	SCREW	
	XTW3+6T	TAPPING SCREW	
	XTW3+8T	TAPPING SCREW	
	XVE3A10FT	SCREW	
	XWC6B	WASHER	
	XYN2+J4	SCREW	
	XYN2+J8	SCREW	
	XYN3+C16	SCREW	
	XYN3+C5	SCREW	
	XYN3+F6	SCREW	
	XYN3+F8	SCREW	
	XYN3+J8	SCREW	
	XYN4+C12FZ	SCREW	
	XYN4+C32	SCREW	
	XYN4+E8FZ	SCREW	
	XYN4+F10FZ	SCREW	
	XYN4+F20FZ	SCREW	
	XYN4+F8	SCREW	
	XYN4+J12FZ	SCREW	
	XYN4+J30	SCREW	
	XYN4+J6	SCREW	
	XYN4+J8	SCREW	
	XYN5+J12	SCREW	
69	TXFKF99PVEZ	UPPER COVER	PT-D7700U
	TXFKF99PVWZ	UPPER COVER	PT-D7700U-K PT-D7700E-K
70	TXFKF98PVEZ	BOTTOM COVER	PT-D7700U
	TXFKF98PVWZ	BOTTOM COVER	PT-D7700U-K
	TXFKF98PVFZ	BOTTOM COVER	PT-D7700E
	TXFKF98PVXZ	BOTTOM COVER	PT-D7700E-K
71	TXFKP99VJU4	TERMINAL COVER	
72	TXFKP98VJU4	REAR COVER	PT-D7700U
	TXFKP98VJW8	REAR COVER	PT-D7700U-K PT-D7700E-K
73	TXFPC99PVEZ	CARTON	PT-D7700U
	TXFPC99PVWZ	CARTON	PT-D7700U-K
	TXFPC99PVFZ	CARTON	PT-D7700E
	TXFPC99PVXZ	CARTON	PT-D7700E-K
[INTEGRATED CIRCUIT]			
IC0101	C0DBZZZ00046	I.C	
IC0102	B3PAA0000240	I.C	△
IC0103	C0ZBZ0000544	I.C	
IC0104	AN6914S	I.C	
IC0401	STRF6676LF52	I.C	C5HABZZ0001 5
IC0402	AN78L15M	I.C	
IC0403	AN6914S	I.C	
IC0404	B3PAA0000240	I.C	△
IC0405	B3PAA0000240	I.C	△
IC0406	B3PAA0000240	I.C	△
IC0407	C0EAS0000012	I.C	
IC0408	AN78L05M	I.C	
IC0410	AN78L12M	I.C	
IC0411	SI-8050S	I.C	C0DAAHH0001 3
IC706	TVRN263	I.C	
IC707	C0ABCA000062	I.C	
IC710	C1BB00000818	I.C	
IC800	PQ05SZ51	I.C	C0CBADE0001 1
IC801	C0DBFGE00002	I.C	
IC802	C0DBAKH00003	I.C	
IC803	C0DBAKH00003	I.C	
IC804	C0DBAKH00003	I.C	
IC805	C0DBAKH00003	I.C	
IC806	TVRN262	I.C	

Ref. No.	Part No.	Part Name & Description	Remarks
IC807	C0DBZJG00008	I.C	
IC808	C0GAK0000007	I.C	
IC809	C0GAK0000007	I.C	
IC810	C0GAK0000007	I.C	
IC1001	C0CABGG00004	I.C	
IC1002	SI-8050S	I.C	C0DAAHH0001 3
IC1003	C0DBAHZ00002	I.C	
IC1004	C0DBAHZ00002	I.C	
IC1005	C0DBAJH00007	I.C	
IC1010	SI-3120F	I.C	C0DAZJG0001 5
IC1011	SI-3120F	I.C	C0DAZJG0001 5
IC1012	MC14538BF	I.C	C0JBAM00000 9
IC2001	TVRN264	I.C	
IC2002	C1ZBZ0002568	I.C	
IC2003	MN84511-A	I.C	
IC2012	C3ABQJ000031	I.C	
IC2014	C0DBZFF00003	I.C	
IC2015	C3ABPJ000035	I.C	
IC2016	C1AB00001917	I.C	
IC2017	C3ABPJ000035	I.C	
IC2018	C0DBCFH00003	I.C	
IC2019	C0DBEFH00001	I.C	
IC2020	C0JBAZ002128	I.C	
IC2022	C0JBAZ000529	I.C	
IC2023	C0JBAP000020	I.C	
IC2025	C0DBCFG00010	I.C	
IC2028	C0CBCAG00007	I.C	
IC2029	C0JBAZ000529	I.C	
IC2030	C1ZBZ0002569	I.C	
IC2604	TC74HC4051AF	I.C	C0JBAR00012 6
IC2605	TC74HC4051AF	I.C	C0JBAR00012 6
IC2609	TC74HC4051AF	I.C	C0JBAR00012 6
IC2610	TC74HC4051AF	I.C	C0JBAR00012 6
IC2611	TVRN265	I.C	
IC2612	C3ABPJ000035	I.C	
IC2613	C0DBFFD00003	I.C	
IC2614	C0CBCBF00001	I.C	
IC2615	HD17709AF100	I.C	C2DBYJ00000 1
IC2617	C0JBAZ001467	I.C	
IC2618	C3EBLC000019	I.C	
IC2619	C3EBLC000019	I.C	
IC2620	C0EBB0000024	I.C	
IC2622	C0JBAB000290	I.C	
IC2623	JLC1562BF	I.C	C0JBAZ00126 5
IC2624	C0JBAZ000851	I.C	
IC2625	C1CB00001750	I.C	
IC2626	SN74HC14NS	I.C	C0JBAB00012 4
IC2627	C1DB00000614	I.C	
IC2628	C0JBAB000290	I.C	
IC2629	TC7SH08FTL	I.C	C0JBAA00010 1
IC2630	TC7SH08FTL	I.C	C0JBAA00010 1
IC2631	TC7SH08FTL	I.C	C0JBAA00010 1
IC2632	C0JBAZ001441	I.C	
IC2633	C0JBAZ000630	I.C	
IC2634	C0JBAZ000851	I.C	
IC2635	TC74LCX574TL	I.C	C0JBAF00031 5
IC2636	TC74LCX574TL	I.C	C0JBAF00031 5
IC2637	TC7SH32FTL	I.C	C0JBAE00014 6
IC3001	C1AB00001226	I.C	

Ref. No.	Part No.	Part Name & Description	Remarks
IC3002	C1AB00000608	I.C	
IC3003	C1AB00001248	I.C	
IC3004	C0JBAZ000529	I.C	
IC3005	C3ABMG000074	I.C	
IC3006	C0EBB0000024	I.C	
IC3007	PQ1R33	I.C	C0CBABC00037
IC3009	C1AB00001494	I.C	
IC3011	C0CBCBE00001	I.C	
IC3012	24LC21T-I/SN	I.C	C3EBCC000020
IC3013	C0CBADG00003	I.C	
IC3014	TC4W53FEL	I.C	C0JBAR000111
IC3015	TC4W53FEL	I.C	C0JBAR000111
IC3016	TC4W53FEL	I.C	C0JBAR000111
IC3017	C0CBCBE00001	I.C	
IC3019	TC7SH32FTL	I.C	C0JBAE000146
IC3020	C0FBAD000094	I.C	
IC3021	M52036SP	I.C	C1AA00000392
IC3023	UPC842G2	I.C	C0ABBA000017
IC3025	TC74LCX541TL	I.C	C0JBAZ000852
IC3026	C0DBFFD00003	I.C	
IC3027	C1ZBZ0001965	I.C	
IC3029	C0EBB0000024	I.C	
IC3030	PLPT16244CA	I.C	
IC3031	PLPT16244CA	I.C	
IC3032	PLPT16244CA	I.C	
IC3033	PLPT16244CA	I.C	
IC3034	PLPT16244CA	I.C	
IC3035	C3EBFC000017	I.C	
IC3036	TA7812F	IC	
IC3038	C0CBADG00003	I.C	
[TRANSISTORS]			
Q0102	2SK2917	FET	B1DEGQ000003
Q0103	2SK2917	FET	B1DEGQ000003
Q0105	2SD601A-R	TRANSISTOR	2SD0601AR
Q0108	2SD601A-R	TRANSISTOR	2SD0601AR
Q0109	2SB709A	TRANSISTOR	2SB0709A
Q0401	2SD601A-R	TRANSISTOR	2SD0601AR
Q0402	2SD601A-R	TRANSISTOR	2SD0601AR
Q0403	2SD601A-R	TRANSISTOR	2SD0601AR
Q0404	2SJ307	FET	B1DGEN000002
Q0406	2SD601A-R	TRANSISTOR	2SD0601AR
Q701	2SD601A-R	TRANSISTOR	2SD0601AR
Q714	2SD601A-R	TRANSISTOR	2SD0601AR
Q719	2SD601A-R	TRANSISTOR	2SD0601AR
Q720	2SD601A-R	TRANSISTOR	
Q724	2SD601A-R	TRANSISTOR	2SD0601AR
Q732	XP0460100L	TRANSISTOR	
Q734	XP6501	TRANSISTOR	XP06501
Q736	2SD601A-R	TRANSISTOR	2SD0601AR
Q800	2SD601A-R	TRANSISTOR	2SD0601AR
Q801	XP6501	TRANSISTOR	XP06501
Q802	XP6501	TRANSISTOR	XP06501
Q803	2SD601A-R	TRANSISTOR	2SD0601AR
Q804	XP6501	TRANSISTOR	XP06501
Q805	XP6501	TRANSISTOR	XP06501
Q806	XP0460100L	TRANSISTOR	
Q807	XP0460100L	TRANSISTOR	
Q808	XP0460100L	TRANSISTOR	
Q809	XP0460100L	TRANSISTOR	
Q810	XP6401	TRANSISTOR	XP06401
Q811	XP6401	TRANSISTOR	XP06401

Ref. No.	Part No.	Part Name & Description	Remarks
Q812	XP6501	TRANSISTOR	XP06501
Q813	2SD601A-R	TRANSISTOR	2SD0601AR
Q1001	2SD601A-R	TRANSISTOR	2SD0601AR
Q1002	2SD601A-R	TRANSISTOR	2SD0601AR
Q1003	B1DFGD000013	TRANSISTOR	
Q1004	B1DFGD000013	TRANSISTOR	
Q1005	B1DFGD000013	TRANSISTOR	
Q1006	B1DFGD000013	TRANSISTOR	
Q1007	2SD601A-R	TRANSISTOR	2SD0601AR
Q1008	B1DFGD000013	TRANSISTOR	
Q1010	2SD601A-R	TRANSISTOR	2SD0601AR
Q1011	2SD601A-R	TRANSISTOR	2SD0601AR
Q1012	2SD601A-R	TRANSISTOR	2SD0601AR
Q1013	2SD601A-R	TRANSISTOR	2SD0601AR
Q1014	2SD601A-R	TRANSISTOR	2SD0601AR
Q1015	2SD601A-R	TRANSISTOR	2SD0601AR
Q1016	2SD601A-R	TRANSISTOR	2SD0601AR
Q1017	2SD601A-R	TRANSISTOR	2SD0601AR
Q1018	2SD601A-R	TRANSISTOR	2SD0601AR
Q1022	2SD601A-R	TRANSISTOR	2SD0601AR
Q1023	2SD601A-R	TRANSISTOR	2SD0601AR
Q1024	2SD601A-R	TRANSISTOR	2SD0601AR
Q2006	B1CBHD000001	TRANSISTOR	
Q2007	B1CBHD000001	TRANSISTOR	
Q2010	B1CBHD000001	TRANSISTOR	
Q2011	B1CBHD000001	TRANSISTOR	
Q2600	B1CBHD000001	TRANSISTOR	
Q2602	B1CBHD000001	TRANSISTOR	
Q2604	B1CBHD000001	TRANSISTOR	
Q2605	B1CBHD000001	TRANSISTOR	
Q2606	2SD1819A	TRANSISTOR	2SD1819AW
Q2607	2SD1819A	TRANSISTOR	2SD1819AW
Q2608	2SD1819A	TRANSISTOR	2SD1819AW
Q2610	2SD1819A	TRANSISTOR	2SD1819AW
Q2612	2SD1819A	TRANSISTOR	2SD1819AW
Q2614	2SD1819A	TRANSISTOR	2SD1819AW
Q2616	B1CBHD000001	TRANSISTOR	
Q2617	B1CBHD000001	TRANSISTOR	
Q2618	2SD1819A	TRANSISTOR	2SD1819AW
Q2619	2SB1218A	TRANSISTOR	
Q2620	B1CBHD000001	TRANSISTOR	
Q2621	B1CBHD000001	TRANSISTOR	
Q2623	2SD1819A	TRANSISTOR	2SD1819AW
Q2624	2SD1819A	TRANSISTOR	2SD1819AW
Q2625	2SB710A	TRANSISTOR	2SB0710A
Q2626	2SB1218A	TRANSISTOR	
Q2630	2SD1819A	TRANSISTOR	2SD1819AW
Q2631	2SD1819A	TRANSISTOR	2SD1819AW
Q2633	2SD1819A	TRANSISTOR	2SD1819AW
Q2637	2SD1819A	TRANSISTOR	2SD1819AW
Q2638	2SD1819A	TRANSISTOR	2SD1819AW
Q3002	2SD601A-R	TRANSISTOR	2SD0601AR
Q3003	2SB709A	TRANSISTOR	2SB0709A
Q3004	2SD601A-R	TRANSISTOR	2SD0601AR
Q3005	2SK198R	TRANSISTOR	2SK01980R
Q3006	2SD601A-R	TRANSISTOR	2SD0601AR
Q3007	2SB709A	TRANSISTOR	2SB0709A
Q3008	2SB709A	TRANSISTOR	2SB0709A
Q3009	2SD601A-R	TRANSISTOR	2SD0601AR
Q3011	2SD601A-R	TRANSISTOR	2SD0601AR
Q3012	2SD601A-R	TRANSISTOR	2SD0601AR
Q3013	2SD601A-R	TRANSISTOR	2SD0601AR
Q3016	2SD601A-R	TRANSISTOR	2SD0601AR
Q3017	B1ABBB000032	TRANSISTOR	
Q3018	2SD601A-R	TRANSISTOR	2SD0601AR
Q3019	B1ABBB000032	TRANSISTOR	
Q3020	2SD601A-R	TRANSISTOR	2SD0601AR
Q3021	B1ABBB000032	TRANSISTOR	
Q3022	2SD601A-R	TRANSISTOR	2SD0601AR
Q3023	2SD601A-R	TRANSISTOR	2SD0601AR
Q3024	2SB709A	TRANSISTOR	2SB0709A
Q3025	2SD601A-R	TRANSISTOR	2SD0601AR
Q3026	2SB709A	TRANSISTOR	2SB0709A

Ref. No.	Part No.	Part Name & Description	Remarks
Q3035	2SD601A-R	TRANSISTOR	2SD0601AR
Q3036	2SB709A	TRANSISTOR	2SB0709A
Q3037	B1ABBB000032	TRANSISTOR	
Q3038	2SD601A-R	TRANSISTOR	2SD0601AR
Q3039	2SD601A-R	TRANSISTOR	2SD0601AR
Q3040	B1ABBB000032	TRANSISTOR	
Q3041	2SD601A-R	TRANSISTOR	2SD0601AR
Q3042	B1ABBB000032	TRANSISTOR	
Q3043	2SD601A-R	TRANSISTOR	2SD0601AR
Q3044	B1ABBB000032	TRANSISTOR	
Q3045	2SD601A-R	TRANSISTOR	2SD0601AR
Q3046	2SD601A-R	TRANSISTOR	2SD0601AR
Q3047	2SB709A	TRANSISTOR	2SB0709A
Q3048	B1ABBB000032	TRANSISTOR	
Q3049	2SD601A-R	TRANSISTOR	2SD0601AR
Q3050	2SD601A-R	TRANSISTOR	2SD0601AR
Q3051	2SD601A-R	TRANSISTOR	2SD0601AR
Q3052	2SD601A-R	TRANSISTOR	2SD0601AR
Q3053	2SD601A-R	TRANSISTOR	2SD0601AR
Q3054	2SD601A-R	TRANSISTOR	2SD0601AR
Q3055	2SD601A-R	TRANSISTOR	2SD0601AR
Q3056	2SD601A-R	TRANSISTOR	2SD0601AR
Q3057	2SB709A	TRANSISTOR	2SB0709A
Q3058	2SB709A	TRANSISTOR	2SB0709A
Q3059	2SB709A	TRANSISTOR	2SB0709A
Q3060	2SB709A	TRANSISTOR	2SB0709A
Q3061	2SB709A	TRANSISTOR	2SB0709A
Q3062	2SB709A	TRANSISTOR	2SB0709A
Q3063	2SD601A-R	TRANSISTOR	2SD0601AR
Q3079	2SD601A-R	TRANSISTOR	2SD0601AR
Q3080	2SD601A-R	TRANSISTOR	2SD0601AR
Q9901	2SD601A-R	TRANSISTOR	2SD0601AR
Q9951	2SD601A-R	TRANSISTOR	2SD0601AR
Q9952	2SD601A-R	TRANSISTOR	2SD0601AR
Q9953	2SD601A-R	TRANSISTOR	2SD0601AR
Q9954	2SD601A-R	TRANSISTOR	2SD0601AR
Q9955	2SB709A	TRANSISTOR	2SB0709A
Q9956	2SD601A-R	TRANSISTOR	2SD0601AR
Q9957	2SB709A	TRANSISTOR	2SB0709A
Q9958	2SD601A-R	TRANSISTOR	2SD0601AR
Q9959	2SD601A-R	TRANSISTOR	2SD0601AR
[DIODES]			
D0101	MA152K	DIODE	MA3X152K
D0103	ERZV14D471	VARISTOR	△
D0104	B0FBCR000010	DIODE	
D0106	MA720	DIODE	MA3X720
D0108	B0HCMM000001	DIODE	
D0109	MA720	DIODE	MA3X720
D0110	MA152K	DIODE	MA3X152K
D0111	MA5062	ZENER DIODE	
D0112	B0HARR000007	DIODE	
D0115	MA152K	DIODE	MA3X152K
D0116	MA720	DIODE	MA3X720
D0117	MA720	DIODE	MA3X720
D0118	MA152K	DIODE	MA3X152K
D0119	MA3047M	ZENER DIODE	MAZ30470M
D0120	EG01C	DIODE	B0HAGV000001
D0401	B0HCMM000001	DIODE	
D0402	MA1Z068	DIODE	
D0403	B0HCMM000001	DIODE	
D0404	B0HCMM000001	DIODE	
D0405	MA723	DIODE	MA2C723
D0406	B0HCMM000001	DIODE	
D0407	EP01C	DIODE	B0HADV000013
D0408	B0HCMM000001	DIODE	
D0409	B0HESM000001	DIODE	
D0411	B0HESM000001	DIODE	
D0412	MA720	DIODE	MA3X720
D0413	B0HESM000001	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
D0414	B0HESM000001	DIODE	
D0416	MA152K	DIODE	MA3X152K
D0420	D1NL40V70	DIODE	B0HALP000002
D0421	D1NL40V70	DIODE	B0HALP000002
D0422	D1NL40V70	DIODE	B0HALP000002
D0423	D1NL40V70	DIODE	B0HALP000002
D0424	B0JCPD000010	DIODE	
D701	B0JCPD000010	DIODE	
D702	B0JCPD000010	DIODE	
D703	B0JCPD000010	DIODE	
D704	B0JCPD000010	DIODE	
D705	B0JCPD000010	DIODE	
D706	B0JCPD000010	DIODE	
D707	B0JCPD000010	DIODE	
D708	B0JCPD000010	DIODE	
D709	B0JCPD000010	DIODE	
D710	MA152WK	DIODE	MA3X152E
D711	MA153	DIODE	
D713	MA152WK	DIODE	MA3X152E
D714	MA704A	DIODE	MA3X704A
D719	MA152WK	DIODE	MA3X152E
D722	B0JCPD000010	DIODE	
D723	B0JCPD000010	DIODE	
D800	B0JBRE000011	DIODE	
D801	MA152WK	DIODE	MA3X152E
D802	MA152WK	DIODE	MA3X152E
D803	B0JCPD000010	DIODE	
D804	B0JCPD000010	DIODE	
D805	B0JCPD000010	DIODE	
D806	B0JCPD000010	DIODE	
D807	MA152WK	DIODE	MA3X152E
D813	MA6X12500L	DIODE	
D814	MA6X12500L	DIODE	
D815	MA6X12500L	DIODE	
D1001	B0JCPD000010	DIODE	
D1002	MA5062	DIODE	MAZ5062
D1003	MA720	DIODE	MA3X720
D1004	MA720	DIODE	MA3X720
D1005	B0JCPD000010	DIODE	
D1006	B0HCMM000001	DIODE	
D1007	B0HCMM000001	DIODE	
D1008	B0HCMM000001	DIODE	
D1009	MA5062	DIODE	MAZ5062
D1010	B0JCPD000010	DIODE	
D1011	B0JCPD000010	DIODE	
D1012	MA5062	DIODE	MAZ5062
D1013	MA5062	DIODE	MAZ5062
D1014	MA152WK	DIODE	MA3X152E
D2001	B3ABB0000189	DIODE	
D2002	B3ABB0000189	DIODE	
D2003	B3ABB0000189	DIODE	
D2604	MA152WK	DIODE	MA3X152E
D2605	MA152WK	DIODE	MA3X152E
D2607	MA3062M	ZENER DIODE	MAZ30620M
D2608	MA3062M	ZENER DIODE	MAZ30620M
D2609	MA3062M	ZENER DIODE	MAZ30620M
D2610	MA3062M	ZENER DIODE	MAZ30620M
D2611	MA3062M	ZENER DIODE	MAZ30620M
D2612	MA3062M	ZENER DIODE	MAZ30620M
D2613	MA3062M	ZENER DIODE	MAZ30620M
D2614	MA3062M	ZENER DIODE	MAZ30620M
D2615	MA3062M	ZENER DIODE	MAZ30620M
D2616	MA152WK	DIODE	MA3X152E
D2617	MA152WK	DIODE	MA3X152E
D2618	MA152WK	DIODE	MA3X152E
D2620	MA152WK	DIODE	MA3X152E
D2621	LNJ107W5ARA1	LED	
D2622	LNJ107W5ARA1	LED	
D2623	MA152WK	DIODE	MA3X152E
D2624	MA152WK	DIODE	MA3X152E

Ref. No.	Part No.	Part Name & Description	Remarks
D2625	MA152WK	DIODE	MA3X152E
D2626	MA152WK	DIODE	MA3X152E
D2629	MA152WK	DIODE	MA3X152E
D2630	MA152WK	DIODE	MA3X152E
D3001	MA157A	DIODE	MA3X157A
D3002	MA157A	DIODE	MA3X157A
D3003	MA157A	DIODE	MA3X157A
D3004	MA157A	DIODE	MA3X157A
D3005	MA157A	DIODE	MA3X157A
D3006	MA157A	DIODE	MA3X157A
D3007	MA152WK	DIODE	MA3X152E
D3008	MA3056M	ZENER DIODE	MAZ30560M
D3009	MA3056M	ZENER DIODE	MAZ30560M
D3010	MA3056M	ZENER DIODE	MAZ30560M
D3011	MA3056M	ZENER DIODE	MAZ30560M
D3012	MA157A	DIODE	MA3X157A
D3013	MA157A	DIODE	MA3X157A
D3014	MA157A	DIODE	MA3X157A
D3018	MA157A	DIODE	MA3X157A
D3019	MA157A	DIODE	MA3X157A
D3020	MA157A	DIODE	MA3X157A
D3021	MA157A	DIODE	MA3X157A
D3022	MA157A	DIODE	MA3X157A
D3023	MA157A	DIODE	MA3X157A
D3024	MA157A	DIODE	MA3X157A
D3025	MA157A	DIODE	MA3X157A
D3026	MA157A	DIODE	MA3X157A
D3027	MA157A	DIODE	MA3X157A
D3029	MA157A	DIODE	MA3X157A
D3030	MA152WK	DIODE	MA3X152E
D3031	MA152WK	DIODE	MA3X152E
D3032	MA152WK	DIODE	MA3X152E
D3033	MA152WK	DIODE	MA3X152E
D3034	MA152WA	DIODE	MA3X152D
D3035	MA152WA	DIODE	MA3X152D
D3036	MA157A	DIODE	MA3X157A
D3037	MA157A	DIODE	MA3X157A
D3040	MA152WK	DIODE	MA3X152E
D3041	B3ABB0000189	DIODE	
D3042	MA152WK	DIODE	MA3X152E
D3044	MA152WK	DIODE	MA3X152E
D3047	MA3047M	ZENER DIODE	MAZ30470M
D3048	MA3047M	ZENER DIODE	MAZ30470M
D9001	ERZV14D471	VARISTOR	△
D9901	MA152K	DIODE	MA3X152K
D9902	MA152K	DIODE	MA3X152K
D9951	LN21RPH	LED (RED)	
D9952	LN21RPH	LED (RED)	
D9953	LN21RPH	LED (RED)	
D9955	LN11WP38	LED	
D9955	MA152K	DIODE	MA3X152K
D9956	MA152K	DIODE	MA3X152K
		[COILS]	
L0401	EXCELD35C	CORE	
L0402	EXCELD35C	CORE	
L0403	G0A101GA0001	COIL	
L702	G1C330M00016	COIL	
L703	G1C330M00016	COIL	
L800	G1C470M00022	COIL	
L801	G1C470M00022	COIL	
L802	G1C470M00022	COIL	
L803	G1C470M00022	COIL	
L1001	G0A101GA0001	COIL	
L1002	EXCELD35C	CORE	
L1003	EXCELD35C	CORE	
L1004	EXCELD35C	CORE	
L1005	EXCELD35C	CORE	
L1006	EXCELD35C	CORE	
L1007	G1C150M00010	COIL	
L1009	ETQP6F2R0LFA	COIL	
L1010	ETQP6F2R0LFA	COIL	

Ref. No.	Part No.	Part Name & Description	Remarks
L1011	ETQP6F2R0LFA	COIL	
L1012	ETQP6F2R0LFA	COIL	
L2002	J0JJC0000022	EMI FILTER	
L2003	J0JJC0000022	EMI FILTER	
L2004	J0JJC0000022	EMI FILTER	
L2005	J0JJC0000022	EMI FILTER	
L2006	J0JJC0000022	EMI FILTER	
L2007	J0JJC0000022	EMI FILTER	
L2008	J0JJC0000022	EMI FILTER	
L2009	J0JJC0000022	EMI FILTER	
L2010	J0JJC0000022	EMI FILTER	
L2011	J0JJC0000022	EMI FILTER	
L2012	J0JJC0000022	EMI FILTER	
L2013	J0JJC0000022	EMI FILTER	
L2014	J0JJC0000022	EMI FILTER	
L2015	J0JJC0000022	EMI FILTER	
L2017	J0JJC0000022	EMI FILTER	
L2600	TLTAZ100K	PEAKING COIL	G1C100KA0002
L2601	ELJFA6R8JB	CHIP COIL	
L2602	ELJFA6R8JB	CHIP COIL	
L3005	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3006	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3007	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3008	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3009	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3010	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3011	J0JGC0000021	EMI FILTER	
L3012	J0JGC0000021	EMI FILTER	
L3013	J0JGC0000021	EMI FILTER	
L3014	J0JGC0000021	EMI FILTER	
L3015	J0JGC0000021	EMI FILTER	
L3016	J0JGC0000021	EMI FILTER	
L3017	J0JGC0000021	EMI FILTER	
L3018	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3019	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3020	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3021	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3022	ELJFA6R8JB	CHIP COIL	
L3023	ELJFA6R8JB	CHIP COIL	
L3024	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3025	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3026	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3027	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3028	ELJFA6R8JB	CHIP COIL	
L3029	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3030	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3031	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3032	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3033	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3034	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3035	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3036	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3037	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3038	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3041	J0JGC0000021	EMI FILTER	
L3046	J0JGC0000021	EMI FILTER	
L3047	J0JGC0000021	EMI FILTER	
L3048	J0JGC0000021	EMI FILTER	
L3049	J0JGC0000021	EMI FILTER	
L3050	J0JGC0000021	EMI FILTER	
L3051	J0JGC0000021	EMI FILTER	
L3052	J0JGC0000021	EMI FILTER	
L3053	J0JGC0000021	EMI FILTER	
L3054	J0JGC0000021	EMI FILTER	
L3055	J0JGC0000021	EMI FILTER	
L3056	J0JGC0000021	EMI FILTER	
L3057	J0JGC0000021	EMI FILTER	
L3058	J0JGC0000021	EMI FILTER	
L3059	J0JGC0000021	EMI FILTER	
L3060	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3061	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3062	J0JGC0000021	EMI FILTER	

Ref. No.	Part No.	Part Name & Description	Remarks
L3063	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3064	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3065	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3066	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3067	J0JGC0000021	EMI FILTER	
L3068	J0JGC0000021	EMI FILTER	
L3070	J0JGC0000021	EMI FILTER	
L3071	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3072	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3073	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3074	ERJ3GEY0R00	M 0 OHM, 1/16W	
L3075	J0JGC0000021	EMI FILTER	
L9001	G0BYYM00003	COIL	⚠
L9002	G0BYYM00003	COIL	⚠
LC3001	ELKE101FA	EMI FILTER	
LC3002	ELKE101FA	EMI FILTER	
LC3003	ELKE101FA	EMI FILTER	
LC3004	ELKE101FA	EMI FILTER	
LC3005	EXCCE103U	EMI FILTER	
LC3007	EXCCE103U	EMI FILTER	
LC3009	EXCCE103U	EMI FILTER	
LC3011	EXCCE103U	EMI FILTER	
[RESISTORS]			
R0101	ERJ6GEYJ561	M 560 OHM, J, 1/10W	
R0102	ERJ6GEYJ561	M 560 OHM, J, 1/10W	
R0103	ERU5TEK5R1	F 5.1 OHM, 5W	
R0104	ERJ6ENF8203	M 820KOHM, 1/10W	
R0105	ERJ6ENF8203	M 820KOHM, 1/10W	
R0106	ERJ6ENF1502	M 15KOHM, 1/10W	
R0109	ERJ6GEYJ105	M 1MOHM, J, 1/10W	
R0110	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R0111	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R0112	ERJ6GEYJ391	M 390 OHM, J, 1/10W	
R0114	ERJ6GEYJ100	M 10 OHM, J, 1/10W	
R0120	ERJ6ENF5101	M 5.1KOHM, 1/10W	
R0121	ERJ6ENF5101	M 5.1KOHM, 1/10W	
R0122	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R0123	ERJ6ENF1503	M 150KOHM, 1/10W	
R0124	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R0125	D0XGR10KA001	RESISTOR	
R0126	ERJ12YJ103	M 10KOHM, 1/2W	
R0127	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R0128	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R0129	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R0131	D0XGR10KA001	RESISTOR	
R0132	ERJ12YJ103	M 10KOHM, 1/2W	
R0133	ERJ12YJ100U	M 10 OHM, 1/2W	
R0134	ERJ12YJ100U	M 10 OHM, 1/2W	
R0135	D0XGR10KA001	RESISTOR	
R0137	ERJ6ENF4703	M 470KOHM, 1/10W	
R0138	ERJ6ENF3303	M 330KOHM, 1/10W	
R0139	ERJ6ENF4703	M 470KOHM, 1/10W	
R0140	ERJ6ENF1203	M 120KOHM, 1/10W	
R0141	ERJ6GEYJ105	M 1MOHM, J, 1/10W	
R0144	ERJ6GEYJ153	M 15KOHM, J, 1/10W	
R0145	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R0146	ERU5TEK5R1	F 5.1 OHM, 5W	
R0147	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R0148	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R0149	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R0150	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W	
R0151	ERJ6ENF4703	M 470KOHM, 1/10W	
R0152	ERJ6ENF3303	M 330KOHM, 1/10W	
R0153	ERJ6ENF4703	M 470KOHM, 1/10W	
R0154	ERJ6ENF1203	M 120KOHM, 1/10W	
R0155	ERJ6ENF1503	M 150KOHM, 1/10W	
R0156	ERJ6ENF1502	M 15KOHM, 1/10W	
R0157	ERJ6ENF1001	M 1KOHM, 1/10W	
R0158	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R0159	ERJ6ENF4703	M 470KOHM, 1/10W	
R0160	ERJ6ENF4703	M 470KOHM, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R0161	ERJ6ENF3303	M 330KOHM, 1/10W	
R0162	ERJ6ENF3303	M 330KOHM, 1/10W	
R0163	ERJ6ENF6202	M 62KOHM, 1/10W	
R0164	ERJ6ENF4751	M 4.75KOHM, 1/10W	
R0165	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R0401	ERG5FJ823	M 82KOHM, 5W	
R0402	ERJ6GEYJ333	M 33KOHM, J, 1/10W	
R0403	ERJ6ENF2702	M 27KOHM, 1/10W	
R0404	ERJ6ENF1002	M 10KOHM, 1/10W	
R0405	ERJ6GEYJ564	M 560KOHM, J, 1/10W	
R0406	ERJ6GEYJ564	M 560KOHM, J, 1/10W	
R0407	ERJ6GEYJ624	M 620KOHM, 1/10W	
R0408	ERJ6GEYJ333	M 33KOHM, J, 1/10W	
R0409	ERJ6GEYJ183	M 18KOHM, J, 1/10W	
R0410	ERJ6GEYJ681	M 680 OHM, J, 1/10W	
R0411	ERJ6ENF3903	M 390KOHM, 1/10W	
R0412	ERJ6ENF3903	M 390KOHM, 1/10W	
R0413	ERJ6ENF3903	M 390KOHM, 1/10W	
R0414	ERJ6ENF3302	M 33KOHM, 1/10W	
R0415	D0XGR22KA008	RESISTOR	
R0417	D0XGR22KA001	RESISTOR	
R0418	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	
R0419	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	
R0420	D0XGR22KA001	RESISTOR	
R0421	ERG5FJ823	M 82KOHM, 5W	
R0422	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	
R0423	ERDS1FJ220	C 22 OHM, J, 1/2W	
R0424	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W	
R0425	ERD75TAJ825	C 8.2MOHM, J, 3/4W	⚠
R0426	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	
R0427	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	
R0428	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R0429	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R0432	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R0433	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R0440	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R0441	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R0442	ERJ6GEYJ153	M 15KOHM, J, 1/10W	
R0443	ERJ6GEYJ331	M 330 OHM, J, 1/10W	
R0448	ERJ6GEYJ153	M 15KOHM, J, 1/10W	
R0452	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	
R701	ERJ6GEYJ220	M 22 OHM, J, 1/10W	
R702	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R703	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R704	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R709	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R710	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R711	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R734	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R737	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R740	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R750	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R751	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R756	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R759	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R780	EXB38V821J	RESISTOR ARRAY	
R781	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R782	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R783	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R785	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R786	ERJ6GEYJ331	M 330 OHM, J, 1/10W	
R789	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R793	EXB38V152J	RESISTOR ARRAY	
R805	ERJ6GEYJ105	M 1MOHM, J, 1/10W	
R811	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R813	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R815	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R822	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R823	ERJ6GEYJ821	M 820 OHM, J, 1/10W	
R825	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R826	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R827	ERJ6GEYJ124	M 120KOHM, J, 1/10W	
R828	ERJ6GEYJ391	M 390 OHM, J, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R829	ERJ6GEYJ561	M 560 OHM, J, 1/10W	
R830	ERJ6GEYJ220	M 22 OHM, J, 1/10W	
R831	ERJ6GEYJ220	M 22 OHM, J, 1/10W	
R832	ERJ6ENF1691	M1.69KOHM, 1/10W	
R833	ERJ6ENF1101	M 1.1KOHM, 1/10W	
R836	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R838	ERJ6ENF3923	M 392KOHM, 1/10W	
R840	ERJ6ENF1101	M 1.1KOHM, 1/10W	
R842	ERJ6ENF5903	M 590KOHM, 1/10W	
R843	EXB38V220J	RESISTOR ARRAY	
R847	ERJ6ENF5621	M5.62KOHM, 1/10W	
R848	ERJ6ENF1002	M 10KOHM, 1/10W	
R850	ERJ6ENF3923	M 392KOHM, 1/10W	
R851	ERJ6ENF3923	M 392KOHM, 1/10W	
R852	ERJ6ENF5621	M5.62KOHM, 1/10W	
R853	ERJ6ENF1002	M 10KOHM, 1/10W	
R854	ERJ6ENF1101	M 1.1KOHM, 1/10W	
R858	ERJ6GEYJ220	M 22 OHM, J, 1/10W	
R859	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R860	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R861	ERJ6GEYJ105	M 1MOHM, J, 1/10W	
R862	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R863	ERJ6GEYJ333	M 33KOHM, J, 1/10W	
R864	ERJ6GEYJ224	M 220KOHM, J, 1/10W	
R869	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R871	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R872	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R873	ERJ6GEYJ471	M 470 OHM, J, 1/10W	
R874	ERJ6GEYJ123	M 12KOHM, J, 1/10W	
R877	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R878	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R879	ERJ6GEYJ124	M 120KOHM, J, 1/10W	
R880	ERJ6GEYJ124	M 120KOHM, J, 1/10W	
R881	ERJ6GEYJ510	M 51 OHM, 1/10W	
R882	ERJ6GEYJ510	M 51 OHM, 1/10W	
R900	EXB38V220J	RESISTOR ARRAY	
R901	ERQ2CJP270S	F 27 OHM, J, 2W	
R902	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R903	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R904	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R905	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R906	EXB38V103J	RESISTOR ARRAY	
R907	EXB38V472J	RESISTOR ARRAY	
R908	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R909	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R910	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R911	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R912	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R913	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R914	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R915	EXB38V474J	RESISTOR ARRAY	
R916	EXB38V474J	RESISTOR ARRAY	
R917	ERJ6ENF1002	M 10KOHM, 1/10W	
R918	ERJ6ENF1002	M 10KOHM, 1/10W	
R919	ERJ6ENF1002	M 10KOHM, 1/10W	
R920	ERJ6ENF1002	M 10KOHM, 1/10W	
R921	ERJ6ENF1872	M18.7KOHM, 1/10W	
R922	ERJ6ENF1872	M18.7KOHM, 1/10W	
R923	ERJ6ENF1872	M18.7KOHM, 1/10W	
R924	ERJ6ENF1872	M18.7KOHM, 1/10W	
R925	EXB38V473J	RESISTOR ARRAY	
R926	EXB38V473J	RESISTOR ARRAY	
R927	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R928	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R929	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R930	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R931	ERJ6ENF1242	M12.4KOHM, 1/10W	
R932	ERJ6ENF4641	M4.64KOHM, 1/10W	
R933	ERJ6ENF1242	M12.4KOHM, 1/10W	
R934	ERJ6ENF4641	M4.64KOHM, 1/10W	
R935	ERJ6ENF1242	M12.4KOHM, 1/10W	
R936	ERJ6ENF4641	M4.64KOHM, 1/10W	
R937	ERJ6ENF1242	M12.4KOHM, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R938	ERJ6ENF4641	M4.64KOHM, 1/10W	
R939	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R940	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R941	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R942	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R943	EXB38V472J	RESISTOR ARRAY	
R944	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	
R945	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R946	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R947	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R948	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R949	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	
R950	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R953	EXB38V222J	RESISTOR ARRAY	
R954	EXB38V103J	RESISTOR ARRAY	
R955	EXB38V222J	RESISTOR ARRAY	
R956	EXB38V103J	RESISTOR ARRAY	
R957	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R958	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R959	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R960	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R961	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R963	EXB38V223J	RESISTOR ARRAY	
R964	EXB38V223J	RESISTOR ARRAY	
R965	EXB38V223J	RESISTOR ARRAY	
R966	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R990	ERJ6GEYJ220	M 22 OHM, J, 1/10W	
R991	ERJ6GEYJ220	M 22 OHM, J, 1/10W	
R992	ERJ6GEYJ220	M 22 OHM, J, 1/10W	
R993	ERJ6GEYJ220	M 22 OHM, J, 1/10W	
R1001	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R1003	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1004	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R1005	ERJ6GEYJ333	M 33KOHM, J, 1/10W	
R1006	ERJ6GEYJ105	M 1MOHM, J, 1/10W	
R1007	ERJ6GEYJ333	M 33KOHM, J, 1/10W	
R1008	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1009	ERJ6GEYJ105	M 1MOHM, J, 1/10W	
R1010	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1011	ERJ6GEYJ330	M 33 OHM, J, 1/10W	
R1012	ERJ6ENF1201	M 1.2KOHM, 1/10W	
R1013	ERJL1WKJ10C	RESISTOR	
R1014	ERJL1WKJ10C	RESISTOR	
R1015	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R1016	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R1017	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R1018	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R1019	ERJ6GEYJ100	M 10 OHM, J, 1/10W	
R1020	ERJ6GEYJ100	M 10 OHM, J, 1/10W	
R1021	ERJ6GEYJ100	M 10 OHM, J, 1/10W	
R1022	ERJ6ENF1501	M 1.5KOHM, 1/10W	
R1025	ERJ6GEYJ105	M 1MOHM, J, 1/10W	
R1026	ERJ6ENF2371	M2.37KOHM, 1/10W	
R1027	ERJ6ENF2201	M 2.2KOHM, 1/10W	
R1028	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R1029	ERJ6ENF1002	M 10KOHM, 1/10W	
R1031	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R1032	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R1033	ERJ6GEYJ153	M 15KOHM, J, 1/10W	
R1034	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R1035	ERJ6GEY0R00	M 0 OHM, J, 1/10W	
R1036	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1037	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1038	ERJM1WSF8M0	RESISTOR	
R1039	ERJM1WSF8M0	RESISTOR	
R1040	ERJM1WSF8M0	RESISTOR	
R1041	ERJM1WSF8M0	RESISTOR	
R1042	ERJ6ENF1502	M 15KOHM, 1/10W	
R1043	ERJ6ENF6811	M6.81KOHM, 1/10W	
R1044	ERJ6ENF2202	M 2.2KOHM, 1/10W	
R1045	ERJ6ENF6811	M6.81KOHM, 1/10W	
R1046	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R1047	ERJ6GEYJ473	M 47KOHM, J, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1049	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1050	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1051	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1052	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R1053	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R1054	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1055	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1056	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R1057	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R1058	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R1059	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1060	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R1061	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1062	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R1063	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1064	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1065	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R1066	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R1067	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1068	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1069	UN11027	RESISTOR	UNH0127
R1078	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R1079	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R1080	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R1081	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R1083	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R1084	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R1085	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1086	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1087	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1089	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R1090	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R1091	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R1094	ERJL1WKJ10C	RESISTOR	
R1095	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1096	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R1097	UN11027	RESISTOR	UNH0127
R1098	UN11027	RESISTOR	UNH0127
R1099	UN11027	RESISTOR	UNH0127
R2001	UN11027	RESISTOR	UNH0127
R2002	UN11027	RESISTOR	UNH0127
R2003	UN11027	RESISTOR	UNH0127
R2004	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2005	D1HG33080001	RESISTOR	
R2006	D1HG33080001	RESISTOR	
R2007	D1HG33080001	RESISTOR	
R2008	D1HG33080001	RESISTOR	
R2009	D1HG33080001	RESISTOR	
R2010	D1HG33080001	RESISTOR	
R2011	D1HG33080001	RESISTOR	
R2012	EXB28V330J	RESISTOR ARRAY	
R2013	D1HG33080001	RESISTOR	
R2014	D1HG33080001	RESISTOR	
R2015	D1HG33080001	RESISTOR	
R2016	D1HG33080001	RESISTOR	
R2017	D1HG33080001	RESISTOR	
R2018	D1HG33080001	RESISTOR	
R2019	D1HG33080001	RESISTOR	
R2020	D1HG1528A002	RESISTOR	
R2021	EXB28V330J	RESISTOR ARRAY	
R2022	D1HG1528A002	RESISTOR	
R2023	D1HG1528A002	RESISTOR	
R2024	D1HG1528A002	RESISTOR	
R2025	D1HG1528A002	RESISTOR	
R2026	ERJ3GEYJ681	M 680 OHM, J, 1/16W	
R2027	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R2028	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R2029	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2033	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2034	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2035	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2036	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2037	ERJ3GEYJ330	M 33 OHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R2038	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2039	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2040	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2041	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2045	EXB28V330J	RESISTOR ARRAY	
R2046	D1HG1528A002	RESISTOR	
R2058	EXB28V330J	RESISTOR ARRAY	
R2059	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2060	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2061	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2062	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2063	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2064	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2065	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2066	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2067	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2068	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2069	EXB28V152J	RESISTOR ARRAY	
R2082	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2083	EXB28V330J	RESISTOR ARRAY	
R2087	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2088	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2089	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2090	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2091	EXB28V472J	RESISTOR ARRAY	
R2092	D1HG33080001	RESISTOR	
R2093	D1HG33080001	RESISTOR	
R2094	D1HG33080001	RESISTOR	
R2095	D1HG33080001	RESISTOR	
R2096	EXB28V330J	RESISTOR ARRAY	
R2118	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2119	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2120	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2129	EXB28V330J	RESISTOR ARRAY	
R2130	EXB28V330J	RESISTOR ARRAY	
R2131	EXB28V330J	RESISTOR ARRAY	
R2132	EXB28V330J	RESISTOR ARRAY	
R2133	EXB28V330J	RESISTOR ARRAY	
R2134	EXB28V330J	RESISTOR ARRAY	
R2135	EXB28V330J	RESISTOR ARRAY	
R2136	EXB28V330J	RESISTOR ARRAY	
R2137	EXB28V330J	RESISTOR ARRAY	
R2138	EXB28V330J	RESISTOR ARRAY	
R2139	EXB28V330J	RESISTOR ARRAY	
R2140	EXB28V330J	RESISTOR ARRAY	
R2141	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2142	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2143	D1HG33080001	RESISTOR	
R2144	D1HG33080001	RESISTOR	
R2145	EXB28V330J	RESISTOR ARRAY	
R2151	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2161	ERJ3GEYJ620	M 62 OHM, J, 1/16W	
R2162	ERJ3GEYJ105	M 1M OHM, J, 1/16W	
R2163	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2164	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2165	D1HG33080001	RESISTOR	
R2166	D1HG33080001	RESISTOR	
R2167	EXB28V330J	RESISTOR ARRAY	
R2168	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2171	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2172	D1HG33080001	RESISTOR	
R2173	EXB28V330J	RESISTOR ARRAY	
R2174	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2175	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2176	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2177	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2178	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2179	EXB28V472J	RESISTOR ARRAY	
R2180	EXB28V472J	RESISTOR ARRAY	
R2181	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2182	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2183	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2184	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R2185	ERJ6ENF1001	M 1KOHM, 1/10W	
R2186	ERJ6ENF1271	M1.27KOHM, 1/10W	
R2187	ERJ6ENF1001	M 1KOHM, 1/10W	
R2188	ERJ6ENF1001	M 1KOHM, 1/10W	
R2189	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2190	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2191	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2192	EXB28V472J	RESISTOR ARRAY	
R2193	EXB28V472J	RESISTOR ARRAY	
R2194	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2195	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2196	D1HG3908A002	RESISTOR	
R2197	D1HG3908A002	RESISTOR	
R2198	D1HG3908A002	RESISTOR	
R2199	D1HG3908A002	RESISTOR	
R2200	D1HG3908A002	RESISTOR	
R2201	D1HG3908A002	RESISTOR	
R2202	D1HG3908A002	RESISTOR	
R2203	EXB28V472J	RESISTOR ARRAY	
R2204	EXB38V620J	RESISTOR ARRAY	
R2205	EXB38V620J	RESISTOR ARRAY	
R2206	ERJ3GEYJ620	M 62 OHM, J, 1/16W	
R2207	EXB38V620J	RESISTOR ARRAY	
R2208	EXB38V620J	RESISTOR ARRAY	
R2209	ERJ3GEYJ620	M 62 OHM, J, 1/16W	
R2210	ERJ3GEYJ620	M 62 OHM, J, 1/16W	
R2211	EXB38V620J	RESISTOR ARRAY	
R2212	ERJ3GEYJ620	M 62 OHM, J, 1/16W	
R2213	ERJ3GEYJ620	M 62 OHM, J, 1/16W	
R2214	ERJ3GEYJ620	M 62 OHM, J, 1/16W	
R2215	EXB38V620J	RESISTOR ARRAY	
R2216	EXB38V620J	RESISTOR ARRAY	
R2217	EXB38V620J	RESISTOR ARRAY	
R2218	EXB38V620J	RESISTOR ARRAY	
R2219	EXB38V620J	RESISTOR ARRAY	
R2220	ERJ3GEYJ620	M 62 OHM, J, 1/16W	
R2221	EXB38V620J	RESISTOR ARRAY	
R2222	EXB38V620J	RESISTOR ARRAY	
R2223	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2245	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2247	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2250	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R2251	ERJ3GEYJ105	M 1M OHM, J, 1/16W	
R2252	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R2263	ERJ3GEYJ151	M 150 OHM, J, 1/16W	
R2264	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2265	ERJ3GEYJ151	M 150 OHM, J, 1/16W	
R2271	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2272	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2273	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2274	EXB28V330J	RESISTOR ARRAY	
R2275	D1HG33080001	RESISTOR	
R2276	D1HG33080001	RESISTOR	
R2314	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2315	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2316	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2319	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2320	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2321	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2324	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2325	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2326	D1HG33080001	RESISTOR	
R2327	D1HG33080001	RESISTOR	
R2328	D1HG33080001	RESISTOR	
R2329	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2330	EXB28V472J	RESISTOR ARRAY	
R2332	EXB28V330J	RESISTOR ARRAY	
R2333	ERJ3GEYJ470	M 47 OHM, J, 1/16W	
R2334	EXB28V330J	RESISTOR ARRAY	
R2335	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2336	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2338	D1HG33080001	RESISTOR	
R2339	D1HG33080001	RESISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
R2340	D1HG33080001	RESISTOR	
R2341	D1HG33080001	RESISTOR	
R2343	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2345	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R2352	EXB28V472J	RESISTOR ARRAY	
R2353	EXB28V472J	RESISTOR ARRAY	
R2355	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2362	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2363	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2366	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R2376	ERJ3GEYJ100	M 10 OHM, J, 1/16W	
R2377	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2382	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R2384	EXB28V330J	RESISTOR ARRAY	
R2385	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R2386	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA002
R2389	EXB28V330J	RESISTOR ARRAY	
R2600	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2602	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2604	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2606	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2607	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2608	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2609	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2610	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2611	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2612	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2613	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2614	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2615	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2616	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2617	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2618	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2619	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2620	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2622	EXB38V220J	RESISTOR ARRAY	
R2623	EXB38V220J	RESISTOR ARRAY	
R2624	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2625	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2626	EXB38V220J	RESISTOR ARRAY	
R2627	D1HG33080001	RESISTOR	
R2628	EXB38V472J	RESISTOR ARRAY	
R2629	EXB38V472J	RESISTOR ARRAY	
R2630	EXB38V472J	RESISTOR ARRAY	
R2631	EXB38V472J	RESISTOR ARRAY	
R2632	EXB38V220J	RESISTOR ARRAY	
R2634	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2635	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2636	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2637	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2638	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2639	EXB38V472J	RESISTOR ARRAY	
R2640	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA002
R2641	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2642	ERJ3GEYJ272	M 2.7KOHMJ, J1/16W	
R2643	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2644	EXB38V472J	RESISTOR ARRAY	
R2645	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2646	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2647	ERJ3GEYJ272	M 2.7KOHMJ, J1/16W	
R2648	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2649	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2650	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2651	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2652	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2653	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2654	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2655	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2656	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2658	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2659	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R2660	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2661	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R2662	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2663	D1HG33080001	RESISTOR	
R2664	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2665	D1HG33080001	RESISTOR	
R2667	D1HG33080001	RESISTOR	
R2669	D1HG33080001	RESISTOR	
R2671	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA00 2
R2673	ERJ3GEYJ392	M 3.9KOHM, J, 1/16W	
R2674	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2675	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2677	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2678	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2680	ERJ3GEYJ822	M 8.2KOHM, J, 1/16W	
R2681	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2682	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2683	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2684	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA00 2
R2685	ERJ3GEYJ101	M 100 OHM, J, 1/16W	
R2686	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R2687	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2688	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2689	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2691	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2692	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2693	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2694	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2696	D1HG33080001	RESISTOR	
R2697	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2700	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2701	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2703	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2704	EXB38V102J	RESISTOR ARRAY	
R2705	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2706	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2708	D1HG33080001	RESISTOR	
R2709	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2710	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2711	ERJ3GEY0R00	M 0 OHM, 1/16W	
R2712	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2713	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2714	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2715	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA00 2
R2716	EXB38V220J	RESISTOR ARRAY	
R2718	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2719	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2720	EXB38V220J	RESISTOR ARRAY	
R2721	D1HG33080001	RESISTOR	
R2722	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2725	EXB38V220J	RESISTOR ARRAY	
R2727	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2728	EXB38V220J	RESISTOR ARRAY	
R2729	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA00 2
R2731	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2733	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2734	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2735	D1HG33080001	RESISTOR	
R2736	EXB38V220J	RESISTOR ARRAY	
R2737	EXB38V220J	RESISTOR ARRAY	
R2738	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2739	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2740	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2742	EXB38V220J	RESISTOR ARRAY	
R2745	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2746	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2747	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2748	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2749	D1HG33080001	RESISTOR	
R2750	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R2752	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2753	EXB38V220J	RESISTOR ARRAY	
R2755	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2756	EXB38V220J	RESISTOR ARRAY	
R2757	EXB38V220J	RESISTOR ARRAY	
R2758	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2759	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2761	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2763	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2764	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2766	EXB38V220J	RESISTOR ARRAY	
R2767	EXB38V220J	RESISTOR ARRAY	
R2768	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2769	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2770	ERJ6ENF2202	M 2.2KOHM, 1/10W	
R2771	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2773	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2774	EXB38V220J	RESISTOR ARRAY	
R2775	EXB38V220J	RESISTOR ARRAY	
R2776	EXB38V220J	RESISTOR ARRAY	
R2777	EXB38V220J	RESISTOR ARRAY	
R2778	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2779	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2780	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2781	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2782	ERJ6ENF2202	M 2.2KOHM, 1/10W	
R2783	ERJ6ENF2202	M 2.2KOHM, 1/10W	
R2784	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2785	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2786	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2788	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2789	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2790	ERJ3GEYJ682	M 6.8KOHM, J, 1/16W	
R2791	ERJ3GEYJ822	M 8.2KOHM, J, 1/16W	
R2792	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2793	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2795	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2796	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA00 2
R2797	ERJ3GEYJ105	M 1M OHM, J, 1/16W	
R2798	ERJ3GEYJ105	M 1M OHM, J, 1/16W	
R2799	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	
R2800	ERJ3GEYJ105	M 1M OHM, J, 1/16W	
R2801	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA00 2
R2803	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2804	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2805	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2806	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2812	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2813	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2814	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2815	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2816	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2817	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2818	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2819	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA00 2
R2820	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2822	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2823	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2824	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2825	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2826	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2827	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2828	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2829	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2830	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2831	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2832	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2833	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2834	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA00 2
R2835	ERJ6GEYJ101	M 100 OHM, J, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R2836	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2837	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2838	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2839	ERJ6GEYJ330	M 33 OHM, J, 1/10W	
R2841	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2842	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2843	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA002
R2844	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2845	ERJ3GEYJ223	M 22K OHM, J, 1/16W	
R2846	ERJ3GEYJ223	M 22K OHM, J, 1/16W	
R2848	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	
R2849	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	
R2850	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA002
R2851	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R2852	ERJ6GEYJ181	M 180 OHM, J, 1/10W	
R2853	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	
R2854	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R2855	ERJ6GEYJ181	M 180 OHM, J, 1/10W	
R2856	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	
R2857	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	
R2858	ERJ6GEYJ2R2	M 2.2 OHM, J, 1/10W	
R2859	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R2860	ERJ6GEYJ181	M 180 OHM, J, 1/10W	
R2861	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R2862	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R2863	ERJ6GEYJ181	M 180 OHM, J, 1/10W	
R2864	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R2865	ERJ3GEYJ223	M 22K OHM, J, 1/16W	
R2866	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R2867	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R2868	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R2869	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R2870	ERJ3GEYJ223	M 22K OHM, J, 1/16W	
R2871	ERJ6GEYJ391	M 390 OHM, J, 1/10W	
R2872	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R2873	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R2874	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2875	ERJ6GEYJ220	M 22 OHM, J, 1/10W	
R2876	ERJ6GEYJ220	M 22 OHM, J, 1/10W	
R2877	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2878	ERJ6GEYJ220	M 22 OHM, J, 1/10W	
R2879	ERJ6GEYJ220	M 22 OHM, J, 1/10W	
R2880	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2881	ERD25VJ1R0	RESISTOR	
R2882	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2883	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2884	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2885	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2886	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2887	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2888	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R2889	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R2890	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R2891	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R2893	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2895	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2896	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2897	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2898	EXB38V220J	RESISTOR ARRAY	
R2899	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2900	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2901	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2903	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2904	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2905	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2908	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2910	ERJ3GEYJ105	M 1M OHM, J, 1/16W	
R2911	ERJ3GEYJ184	M 180KOHM, J, 1/16W	
R2914	D1HG33080001	RESISTOR	
R2916	D1HG33080001	RESISTOR	
R2917	ERJ3GEYJ820	M 82 OHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R2918	ERJ3GEYJ820	M 82 OHM, J, 1/16W	
R2919	ERJ3GEYJ820	M 82 OHM, J, 1/16W	
R2922	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA002
R2923	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2924	EXB38V103J	RESISTOR ARRAY	
R2925	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2926	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2927	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R2928	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2929	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2930	ERJ3GEYJ271	M 270 OHM, J, 1/16W	
R2931	ERJ3GEYJ271	M 270 OHM, J, 1/16W	
R2932	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R2933	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R2934	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA002
R2942	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R2943	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2944	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2945	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2948	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2949	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2950	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2951	ERJ3GEYJ153	M 15K OHM, J, 1/16W	
R2952	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2953	ERJ3GEYJ820	M 82 OHM, J, 1/16W	
R2954	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2955	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R2956	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2957	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2958	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2963	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R2964	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2965	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R2972	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2973	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R2974	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2976	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2988	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2989	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2990	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2991	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2992	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R2993	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R3005	ERJ3EKF1500	M 150 OHM, 0.063W	
R3006	ERJ3EKF1500	M 150 OHM, 0.063W	
R3007	ERJ3EKF1500	M 150 OHM, 0.063W	
R3008	ERJ3EKF1500	M 150 OHM, 0.063W	
R3009	ERJ3EKF1500	M 150 OHM, 0.063W	
R3010	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3011	ERJ3EKF1500	M 150 OHM, 0.063W	
R3012	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R3013	ERJ3GEYJ100	M 10 OHM, J, 1/16W	
R3014	ERJ3GEYJ100	M 10 OHM, J, 1/16W	
R3015	ERJ3EKF1500	M 150 OHM, 0.063W	
R3016	ERJ3EKF1500	M 150 OHM, 0.063W	
R3017	ERJ3GEYJ100	M 10 OHM, J, 1/16W	
R3019	ERJ3GEYJ100	M 10 OHM, J, 1/16W	
R3022	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R3024	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3025	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3026	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3027	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3029	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3030	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3031	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3032	ERJ3GEYJ473	M 47K OHM, J, 1/16W	
R3033	ERJ3EKF1200	M 120 OHM, 0.063W	
R3034	ERJ3EKF1200	M 120 OHM, 0.063W	
R3035	ERJ3EKF4700	M 470 OHM, 0.063W	
R3036	ERJ3EKF4700	M 470 OHM, 0.063W	
R3037	ERJ3GEYJ221	M 220 OHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3038	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R3039	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R3040	ERJ3GEYJ153	M 15K OHM, J, 1/16W	
R3041	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R3042	ERJ3GEYJ105	M 1M OHM, J, 1/16W	
R3043	ERJ3GEYJ271	M 270 OHM, J, 1/16W	
R3044	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3045	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3046	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R3047	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R3048	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3049	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3050	ERJ3EKF47R0	M 47 OHM, 0.063W	
R3051	EXB38VR000	RESISTOR ARRAY	
R3052	ERJ3EKF47R0	M 47 OHM, 0.063W	
R3053	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R3054	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R3056	ERJ3EKF1500	M 150 OHM, 0.063W	
R3057	ERJ3EKF47R0	M 47 OHM, 0.063W	
R3058	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3059	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3060	EXB38VR000	RESISTOR ARRAY	
R3061	EXB38VR000	RESISTOR ARRAY	
R3062	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA00 2
R3063	EXB38VR000	RESISTOR ARRAY	
R3064	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3065	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA00 2
R3066	EXB38VR000	RESISTOR ARRAY	
R3067	EXB38VR000	RESISTOR ARRAY	
R3068	EXB38V330J	RESISTOR ARRAY	
R3069	EXB38V330J	RESISTOR ARRAY	
R3070	EXB38VR000	RESISTOR ARRAY	
R3072	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3073	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3074	EXB38V330J	RESISTOR ARRAY	
R3075	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3076	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R3077	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3079	EXB38V330J	RESISTOR ARRAY	
R3080	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R3081	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3082	EXB38V330J	RESISTOR ARRAY	
R3083	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3084	ERJ3GEYJ391	M 390 OHM, J, 1/16W	D0GB391JA00 2
R3085	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3086	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3087	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3088	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3089	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3092	ERJ3GEYJ391	M 390 OHM, J, 1/16W	D0GB391JA00 2
R3093	ERJ3GEYJ272	M 2.7KOHMJ, J1/16W	
R3094	ERJ3GEYJ301	M 300 OHM, J, 1/16W	
R3095	ERJ3GEYJ272	M 2.7KOHMJ, J1/16W	
R3097	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R3098	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3099	ERJ3GEYJ151	M 150 OHM, J, 1/16W	
R3101	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3102	ERJ3GEYJ823	M 82KOHM, J, 1/16W	
R3103	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3104	ERJ3GEYJ301	M 300 OHM, J, 1/16W	
R3105	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3106	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3107	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3108	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA00 2
R3110	ERJ3GEYJ473	M 47K OHM, J, 1/16W	
R3111	ERJ3GEYJ473	M 47K OHM, J, 1/16W	
R3112	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3113	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3114	ERJ3GEYJ331	M 330 OHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3115	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R3116	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3117	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3118	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3119	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	
R3120	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	
R3121	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	
R3124	ERJ3EKF1500	M 150 OHM, 0.063W	
R3125	ERJ3EKF1500	M 150 OHM, 0.063W	
R3126	ERJ3EKF1500	M 150 OHM, 0.063W	
R3127	ERJ3EKF1500	M 150 OHM, 0.063W	
R3128	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3129	ERJ3EKF1500	M 150 OHM, 0.063W	
R3130	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3131	ERJ3GEYJ122	M 1.2KOHM, J, 1/16W	
R3133	ERJ3EKF1500	M 150 OHM, 0.063W	
R3134	ERJ3EKF1500	M 150 OHM, 0.063W	
R3135	ERJ3EKF1500	M 150 OHM, 0.063W	
R3136	ERJ3EKF1500	M 150 OHM, 0.063W	
R3137	ERJ3EKF1500	M 150 OHM, 0.063W	
R3140	ERJ3EKF1500	M 150 OHM, 0.063W	
R3141	ERJ3EKF1500	M 150 OHM, 0.063W	
R3142	ERJ3EKF1500	M 150 OHM, 0.063W	
R3143	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3144	ERJ3EKF1500	M 150 OHM, 0.063W	
R3145	ERJ3EKF1500	M 150 OHM, 0.063W	
R3146	ERJ3EKF1500	M 150 OHM, 0.063W	
R3148	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3150	ERJ3EKF1500	M 150 OHM, 0.063W	
R3151	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R3152	ERJ3EKF1500	M 150 OHM, 0.063W	
R3153	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R3154	ERJ3EKF1500	M 150 OHM, 0.063W	
R3155	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R3156	ERJ3EKF1500	M 150 OHM, 0.063W	
R3157	ERJ3EKF1500	M 150 OHM, 0.063W	
R3158	ERJ3EKF1500	M 150 OHM, 0.063W	
R3163	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3164	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3165	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3166	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3167	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3168	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3178	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	
R3179	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3180	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3181	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3182	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3183	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3184	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3185	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3186	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3190	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3191	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3192	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3202	ERJ3GEYJ3R3	M 3.3 OHM, J, 1/16W	
R3203	ERJ3GEYJ3R3	M 3.3 OHM, J, 1/16W	
R3204	ERJ3GEYJ3R3	M 3.3 OHM, J, 1/16W	
R3205	ERJ3GEYJ3R3	M 3.3 OHM, J, 1/16W	
R3206	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3207	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3208	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3209	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3216	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA00 2
R3217	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA00 2
R3227	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3232	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3241	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3242	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3243	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3244	ERJ3GEYJ103	M 10K OHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3247	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3248	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3249	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3250	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	
R3251	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3252	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3253	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3254	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3255	ERJ3GEYJ3R3	M 3.3 OHM, J, 1/16W	
R3256	ERJ3GEYJ3R3	M 3.3 OHM, J, 1/16W	
R3257	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3258	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3259	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3261	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3262	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3263	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3264	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA002
R3267	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3268	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3269	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3270	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3271	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3273	ERJ3GEYJ3R3	M 3.3 OHM, J, 1/16W	
R3274	ERJ3GEYJ3R3	M 3.3 OHM, J, 1/16W	
R3275	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3276	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3277	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA002
R3278	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3280	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3281	ERJ3GEYJ223	M 22K OHM, J, 1/16W	
R3282	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA002
R3283	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA002
R3284	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA002
R3285	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3286	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3287	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA002
R3288	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3289	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3290	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3291	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3292	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3293	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3294	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA002
R3296	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3297	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA002
R3299	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3300	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3301	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3302	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R3303	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R3304	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R3305	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R3306	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R3307	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R3308	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3310	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3311	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3313	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3314	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3315	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3316	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3317	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R3318	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R3319	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3320	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3323	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3324	ERJ3GEYJ221	M 220 OHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3325	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3326	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3327	EXB38V330J	RESISTOR ARRAY	
R3328	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3329	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R3330	ERJ3GEYJ561	M 560 OHM, J, 1/16W	
R3333	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3335	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA002
R3336	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA002
R3337	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3338	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3339	ERJ3EKF6981	M6.98KOHM, 0.063W	
R3340	ERJ3EKF7501	M 7.5KOHM, 0.063W	
R3341	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3342	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3343	ERJ3GEYJ221	M 220 OHM, J, 1/16W	
R3344	EXB38V330J	RESISTOR ARRAY	
R3345	ERJ3EKF3301	M 3.3KOHM, 0.063W	
R3346	ERJ3EKF4121	M4.12KOHM, 0.063W	
R3347	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3348	ERJ3EKF3901	M 3.9KOHM, 0.063W	
R3349	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3350	EXB38V330J	RESISTOR ARRAY	
R3351	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3352	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3353	EXB38V330J	RESISTOR ARRAY	
R3354	EXB38V330J	RESISTOR ARRAY	
R3355	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R3356	ERJ3EKF3901	M 3.9KOHM, 0.063W	
R3357	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3358	ERJ3EKF3301	M 3.3KOHM, 0.063W	
R3359	EXB38V330J	RESISTOR ARRAY	
R3360	EXB38V330J	RESISTOR ARRAY	
R3361	ERJ3EKF4701	M 4.7KOHM, 0.063W	
R3362	EXB38V330J	RESISTOR ARRAY	
R3363	EXB38V330J	RESISTOR ARRAY	
R3364	EXB38V330J	RESISTOR ARRAY	
R3365	EXB38V330J	RESISTOR ARRAY	
R3366	EXB38V330J	RESISTOR ARRAY	
R3367	EXB38V330J	RESISTOR ARRAY	
R3369	ERJ3GEYJ183	M 18K OHM, J, 1/16W	
R3370	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3371	ERJ3EKF1582	M15.8KOHM, 0.063W	
R3372	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D0GB101JA002
R3373	ERJ3EKF1582	M15.8KOHM, 0.063W	
R3376	ERJ3GEYJ182	M 1.8KOHM, J, 1/16W	
R3378	ERJ3GEYJ182	M 1.8KOHM, J, 1/16W	
R3379	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	
R3380	ERJ3GEYJ182	M 1.8KOHM, J, 1/16W	
R3385	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3386	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3389	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3390	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3391	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3392	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3393	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3394	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3395	ERJ3GEYJ681	M 680 OHM, J, 1/16W	
R3397	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3398	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3399	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3402	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3403	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3404	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3405	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3406	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3407	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3408	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3409	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3411	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3412	ERJ3GEYJ102	M 1K OHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3413	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3414	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3415	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3416	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3417	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3418	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3420	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3431	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3432	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3433	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3434	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3435	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3436	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3437	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3438	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3440	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3441	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3442	ERJ3GEYJ393	M 39K OHM, J, 1/16W	
R3443	ERJ3GEYJ393	M 39K OHM, J, 1/16W	
R3444	ERJ3GEYJ393	M 39K OHM, J, 1/16W	
R3445	ERJ3GEYJ393	M 39K OHM, J, 1/16W	
R3447	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3448	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3449	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3450	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3451	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3452	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3453	EXB38V330J	RESISTOR ARRAY	
R3454	EXB38V330J	RESISTOR ARRAY	
R3455	EXB38V330J	RESISTOR ARRAY	
R3457	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3458	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3459	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3460	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3461	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3463	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3464	ERJ3GEYJ102	M 1K OHM, J, 1/16W	
R3469	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3470	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3471	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3472	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R3473	ERJ3GEYJ331	M 330 OHM, J, 1/16W	
R3474	ERJ3GEYJ471	M 470 OHM, J, 1/16W	
R3475	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3476	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3477	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3478	EXB38V330J	RESISTOR ARRAY	
R3479	EXB38V330J	RESISTOR ARRAY	
R3480	EXB38V330J	RESISTOR ARRAY	
R3481	EXB38V330J	RESISTOR ARRAY	
R3482	EXB38V330J	RESISTOR ARRAY	
R3483	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R3484	EXB38V330J	RESISTOR ARRAY	
R3485	EXB38V330J	RESISTOR ARRAY	
R3486	EXB38V330J	RESISTOR ARRAY	
R3487	EXB38V330J	RESISTOR ARRAY	
R3488	EXB38V330J	RESISTOR ARRAY	
R3489	EXB38V330J	RESISTOR ARRAY	
R3490	EXB38V330J	RESISTOR ARRAY	
R3491	EXB38V330J	RESISTOR ARRAY	
R3492	EXB38V330J	RESISTOR ARRAY	
R3493	EXB38V330J	RESISTOR ARRAY	
R3494	EXB38V330J	RESISTOR ARRAY	
R3495	EXB38V330J	RESISTOR ARRAY	
R3496	EXB38V330J	RESISTOR ARRAY	
R3497	ERJ3GEYJ220	M 22 OHM, J, 1/16W	
R3498	EXB38V330J	RESISTOR ARRAY	
R3499	ERJ3GEY0R00	M 0 OHM, 1/16W	
R3500	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3501	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3502	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3503	ERJ3GEYJ103	M 10K OHM, J, 1/16W	
R3504	ERJ3GEYJ330	M 33 OHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3505	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3506	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3507	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3508	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3509	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D06B101JA00 2
R3510	ERJ3GEYJ101	M 100 OHM, J, 1/16W	D06B101JA00 2
R3511	ERJ3GEYJ563	M 56KOHM, J, 1/16W	
R3512	ERJ3GEYJ563	M 56KOHM, J, 1/16W	
R3513	ERJ3GEYJ563	M 56KOHM, J, 1/16W	
R3514	ERJ3GEYJ330	M 33 OHM, J, 1/16W	
R3556	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R3557	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R9001	ERC12UGK105	RESISTOR	△
R9002	ERC12UGK105	RESISTOR	△
R9003	ERC12UGK105	RESISTOR	△
R9004	ERC12UGK105	RESISTOR	△
R9005	ERC12UGK105	RESISTOR	△
R9006	ERC12UGK105	RESISTOR	△
R9007	ERC12UGK105	RESISTOR	△
R9901	ERJ6ENF5601	M 5.6KOHM, 1/10W	
R9902	ERJ6ENF1501	M 1.5KOHM, 1/10W	
R9903	ERJ6ENF1501	M 1.5KOHM, 1/10W	
R9904	ERJ6ENF2201	M 2.2KOHM, 1/10W	
R9905	ERJ6ENF3301	M 3.3KOHM, 1/10W	
R9906	ERJ6ENF6801	M 6.8KOHM, 1/10W	
R9907	ERJ6ENF3302	M 33KOHM, 1/10W	
R9908	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R9909	ERJ6ENF5601	M 5.6KOHM, 1/10W	
R9910	ERJ6ENF1501	M 1.5KOHM, 1/10W	
R9911	ERJ6ENF1501	M 1.5KOHM, 1/10W	
R9912	ERJ6ENF2201	M 2.2KOHM, 1/10W	
R9913	ERJ6ENF3301	M 3.3KOHM, 1/10W	
R9914	ERJ6ENF6801	M 6.8KOHM, 1/10W	
R9915	ERJ6ENF3302	M 33KOHM, 1/10W	
R9916	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R9917	ERJ6ENF5601	M 5.6KOHM, 1/10W	
R9918	ERJ6ENF1501	M 1.5KOHM, 1/10W	
R9919	ERJ6ENF1501	M 1.5KOHM, 1/10W	
R9920	ERJ6ENF2201	M 2.2KOHM, 1/10W	
R9921	ERJ6ENF3301	M 3.3KOHM, 1/10W	
R9922	ERJ6ENF6801	M 6.8KOHM, 1/10W	
R9923	ERJ6ENF3302	M 33KOHM, 1/10W	
R9924	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R9952	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R9953	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R9955	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R9956	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R9958	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R9959	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R9960	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	
R9961	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R9962	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R9963	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R9964	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R9965	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R9966	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R9967	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R9968	ERJ6GEYJ221	M 220 OHM, J, 1/10W	
R9969	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R9970	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R9971	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R9972	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R9973	ERJ6GEYJ101	M 100 OHM, J, 1/10W	
R9974	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R9975	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R9976	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
[CAPACITORS]			
C0103	ECKDNA222ME	C 2200PF, M,	
C0104	ECJ2XC1H152J	C 1500PF, J, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C0105	ECA1HHG101	E 100UF, 50V	
C0106	ECJ2XF1E224Z	C 0.22UF, Z, 25V	
C0107	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0108	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0109	ECKDNA222ME	C 2200PF, M,	
C0110	F0C2G225A020	CAPACITOR	
C0112	ECJ2XC1H101J	C 100PF, J, 50V	
C0113	ECJ2XC1H102J	C 1000PF, J, 50V	
C0118	ECJ2XC1H102J	C 1000PF, J, 50V	
C0119	ECKD3A101KBP	C 100PF, K, 1KV	
C0120	ECKD3A101KBP	C 100PF, K, 1KV	
C0121	ECKD3A471KBP	C 470PF, K, 1KV	
C0124	EETED2W471L	CAPACITOR	
C0125	ECQE6473KF	P 0.47UF, K, 630V	
C0126	EETED2W471L	CAPACITOR	
C0131	ECJ2XF1C105Z	C 1UF, Z, 16V	
C0133	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0134	F0C2G475A020	CAPACITOR	
C0135	ECJ2XB1H103K	C 0.01UF, K, 50V	
C0136	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0137	ECJ2XC1H102J	C 1000PF, J, 50V	
C0138	ECA2WM3R3	E 3.3UF, 450V	
C0139	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0401	ECQE6473KF	P 0.47UF, K, 630V	
C0402	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0403	EEUFC1E221	E 220UF, 25V	
C0404	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0405	EEUFC1V151	E 150UF, 35V	
C0406	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0407	ECJ2XF1H103Z	C 0.01UF, Z, 50V	
C0408	ECA1EHG101	E 100UF, 25V	
C0409	ECJ2XC1H471J	C 470PF, J, 50V	
C0410	ECKD3A102KBP	C 1000PF, K, 1KV	
C0411	ECJ2XC1H122J	C 1200PF, J, 50V	
C0412	ECJ2XB1H103K	C 0.01UF, K, 50V	
C0413	EEUFC1V151	E 150UF, 35V	
C0414	ECWH10153JVB	CAPACITOR	
C0415	ECKCNA102MBB	C 1000PF, M,	△
C0418	ECJ2XC1H102J	C 1000PF, J, 50V	
C0420	ECJ2XC1H102J	C 1000PF, J, 50V	
C0422	ECJ2XC1H102J	C 1000PF, J, 50V	
C0423	ECJ2XC1H102J	C 1000PF, J, 50V	
C0424	ECJ2XC1H102J	C 1000PF, J, 50V	
C0425	EEUFC1E472	E 4700PF, 25V	
C0427	ECJ2XC1H102J	C 1000PF, J, 50V	
C0429	ECJ2XC1H102J	C 1000PF, J, 50V	
C0430	ECJ2XC1H102J	C 1000PF, J, 50V	
C0432	EEUFC1E472	E 4700PF, 25V	
C0434	EEUFC1E272	E 2700UF, 25V	
C0435	EEUFC1H221	E 220UF, 50V	
C0436	EEUFC1E472	E 4700PF, 25V	
C0439	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0440	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0442	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0443	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0444	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0445	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0446	EEUFC1A470	E 47PF, 10V	
C0449	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0450	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0451	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0454	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0455	EEUFC1E470	E 47PF, 25V	
C0456	EEUFC1E472	E 4700PF, 25V	
C0457	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0458	EEUFC1E101S	E 100PF, 25V	
C0459	EEUFC1E101S	E 100PF, 25V	
C0460	ECJ2XF1C105Z	C 1UF, Z, 16V	
C0461	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C0462	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C701	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C702	ECJ2XF1C105Z	C 1UF, Z, 16V	
C703	ECJ2XF1C104Z	C 0.1UD, Z, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C704	ECA1CM101	E 100UF, 16V	
C705	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C708	ECJ2XF1C105Z	C 1UF, Z, 16V	
C709	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C714	ECJ2XF1C105Z	C 1UF, Z, 16V	
C717	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C720	ECJ2XF1C105Z	C 1UF, Z, 16V	
C726	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C734	ECA1CM100	E 10UF, 16V	
C735	ECJ2XC1H120J	C 12PF, J, 50V	
C736	ECA1VM470	E 47UF, 35V	
C737	ECJ2XC1H120J	C 12PF, J, 50V	
C738	ECJ2XF1C105Z	C 1UF, Z, 16V	
C739	ECJ2XF1C105Z	C 1UF, Z, 16V	
C741	ECJ2XF1C105Z	C 1UF, Z, 16V	
C744	ECUM1H821KBN	C 820PF, 50V	ECJ2XB1H821K
C745	ECJ2XB1H152K	C 1500PF, K, 50V	
C746	ECJ2XB1H472K	C 2700PF, K, 50V	
C747	ECJ2XB1H332K	C 3300PF, K, 50V	
C749	ECA1VM470	E 47UF, 35V	
C750	ECJ2XF1C105Z	C 1UF, Z, 16V	
C751	ECJ2XF1C105Z	C 1UF, Z, 16V	
C752	ECJ2XF1C105Z	C 1UF, Z, 16V	
C753	ECJ2XB1H221K	C 220PF, K, 50V	
C754	ECJ2XF1C105Z	C 1UF, Z, 16V	
C755	ECJ2XF1C105Z	C 1UF, Z, 16V	
C756	ECJ2XF1C105Z	C 1UF, Z, 16V	
C758	ECJ2XB1C224K	C 0.22UF, K, 16V	
C759	ECJ2XB1C224K	C 0.22UF, K, 16V	
C761	ECJ2XF1C474Z	C 0.47UF, Z, 16V	
C762	ECJ2XF1C474Z	C 0.47UF, Z, 16V	
C800	ECA1CM101	E 100UF, 16V	
C801	ECJ2XF1C105Z	C 1UF, Z, 16V	
C802	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C803	ECA1CM222	E 2200UF, 16V	
C805	ECJ2XF1C105Z	C 1UF, Z, 16V	
C806	ECJ2XF1C104Z	C 0.1UD, Z, 16V	
C807	ECA1CM101	E 100UF, 16V	
C808	ECA1VM470	E 47UF, 35V	
C809	ECA1VM470	E 47UF, 35V	
C810	ECA1VM470	E 47UF, 35V	
C811	ECA1VM470	E 47UF, 35V	
C812	F1L1C226A007	CAPACITOR	
C813	F1L1C226A007	CAPACITOR	
C814	F1L1C226A007	CAPACITOR	
C815	F1L1C226A007	CAPACITOR	
C816	ECJ2XB1H103K	C 0.01UF, K, 50V	
C817	ECJ2XB1H103K	C 0.01UF, K, 50V	
C818	ECJ2XB1H103K	C 0.01UF, K, 50V	
C819	ECJ2XB1H103K	C 0.01UF, K, 50V	
C820	ECJ2XF1C105Z	C 1UF, Z, 16V	
C821	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C822	ECJ2XB1H103K	C 0.01UF, K, 50V	
C823	ECJ2XB1H103K	C 0.01UF, K, 50V	
C824	ECJ2XB1H103K	C 0.01UF, K, 50V	
C825	ECJ2XB1H103K	C 0.01UF, K, 50V	
C826	ECJ2XC1H101J	C 100PF, J, 50V	
C827	ECJ2XC1H101J	C 100PF, J, 50V	
C828	ECJ2XC1H101J	C 100PF, J, 50V	
C829	ECJ2XC1H101J	C 100PF, J, 50V	
C830	F1L1C226A007	CAPACITOR	
C831	F1L1C226A007	CAPACITOR	
C832	F1L1C226A007	CAPACITOR	
C833	F1L1C226A007	CAPACITOR	
C834	ECJ2XF1C474Z	C 0.47UF, Z, 16V	
C835	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C836	ECA1CM101	E 100UF, 16V	
C837	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C838	ECJ2XF1E104Z	C 0.1UF, Z, 25V	
C839	ECJ2XF1C105Z	C 1UF, Z, 16V	
C840	ECJ2XF1E104Z	C 0.1UF, Z, 25V	
C841	ECJ2XF1E104Z	C 0.1UF, Z, 25V	

Ref. No.	Part No.	Part Name & Description	Remarks
C842	ECJ2XF1C105Z	C 1UF, Z, 16V	
C843	ECJ2XF1E104Z	C 0.1UF, Z, 25V	
C844	ECJ2XF1E104Z	C 0.1UF, Z, 25V	
C845	ECJ2XF1C105Z	C 1UF, Z, 16V	
C846	ECJ2XF1E104Z	C 0.1UF, Z, 25V	
C1001	EEUFC1E272	E 2700UF, 25V	
C1002	EEUFC1E470	E 47PF, 25V	
C1003	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1004	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1005	EEUFC1E102	E 1000UF, 25V	
C1006	EEUFC1E470	E 47PF, 25V	
C1007	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1009	ECJ2XF1C105Z	C 1UF, Z, 16V	
C1010	ECJ2XF1C105Z	C 1UF, Z, 16V	
C1013	ECJ2XC1H680J	C 68PF, J, 50V	
C1014	ECJ2XC1H560J	C 56PF, J, 50V	
C1015	ECJ2XB1H102J	C 1000PF, 50V	
C1016	ECJ2XB1H102J	C 1000PF, 50V	
C1018	ECJ2XF1E224Z	C 0.22UF, Z, 25V	
C1019	ECJ2XC1H471J	C 470PF, J, 50V	
C1020	ECJ2XC1H471J	C 470PF, J, 50V	
C1021	ECJ2XC1H221J	C 220PF, J, 50V	
C1022	ECJ2XC1H221J	C 220PF, J, 50V	
C1023	ECJ2XC1H102J	C 1000PF, J, 50V	
C1024	ECJ2XC1H102J	C 1000PF, J, 50V	
C1025	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1026	EEUFC1E272	E 2700UF, 25V	
C1027	EEUFC1E101S	E 100PF, 25V	
C1028	ECJ2XF1E224Z	C 0.22UF, Z, 25V	
C1029	ECJ2XF1E224Z	C 0.22UF, Z, 25V	
C1031	EEUFC1E272	E 2700UF, 25V	
C1032	ECJ2XB1H103K	C 0.01UF, K, 50V	
C1033	EEUFC1E272	E 2700UF, 25V	
C1034	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1035	EEUFC1E272	E 2700UF, 25V	
C1036	EEUFC1E272	E 2700UF, 25V	
C1037	ECJ2XF1E224Z	C 0.22UF, Z, 25V	
C1038	ECJ2XF1E224Z	C 0.22UF, Z, 25V	
C1039	ECJ2XC1H222J	C 220PF, J, 50V	
C1040	ECJ2XF1E224Z	C 0.22UF, Z, 25V	
C1041	ECJ2XF1E224Z	C 0.22UF, Z, 25V	
C1042	EEFCD0K330R	CAPACITOR	
C1043	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1044	ECJ3XF1C475Z	C 4.7UF, Z, 16V	
C1045	ECJ3XF1C475Z	C 4.7UF, Z, 16V	
C1046	ECJ2XF1C474Z	C 0.47UF, Z, 16V	
C1047	ECJ2XF1C474Z	C 0.47UF, Z, 16V	
C1048	ECJ2XB1H103K	C 0.01UF, K, 50V	
C1051	ECJ2XC1H102J	C 1000PF, J, 50V	
C1052	ECJ2XF1H473Z	C 0.047UF, Z, 50V	
C1053	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1054	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1057	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1058	ECJ2XC1H221J	C 220PF, J, 50V	
C1060	ECJ2XC1H221J	C 220PF, J, 50V	
C1062	EEFUD0J101R	CAPACITOR	
C1063	EEFUD0J101R	CAPACITOR	
C1064	EEFUD0J101R	CAPACITOR	
C1065	EEFUD0J101R	CAPACITOR	
C1068	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1069	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1070	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1071	EEFUD0J101R	CAPACITOR	
C1072	EEFUD0J101R	CAPACITOR	
C1073	EEFUD0J101R	CAPACITOR	
C1074	EEFUD0J101R	CAPACITOR	
C1075	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1076	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1077	ECJ2XB1H103K	C 0.01UF, K, 50V	
C1082	EEUFC1E101S	E 100PF, 25V	
C1083	EEUFC1E101S	E 100PF, 25V	
C1084	ECJ2XF1C105Z	C 1UF, Z, 16V	
C1085	ECJ2XF1C105Z	C 1UF, Z, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C1086	ECJ2XF1C105Z	C 1UF, Z, 16V	
C1087	ECJ2XF1C105Z	C 1UF, Z, 16V	
C1088	ECJ2XF1C105Z	C 1UF, Z, 16V	
C1090	EEUFC1E101S	E 100PF, 25V	
C1091	EEUFC1E101S	E 100PF, 25V	
C1092	EEFCD0K330R	CAPACITOR	
C1093	EEFCD0K330R	CAPACITOR	
C1094	EEUFC1E102	E 1000UF, 25V	
C1095	ECA1HM100	E 10UF, 50V	
C1096	ECJ2XB1H103K	C 0.01UF, K, 50V	
C1097	ECA1HM010	E 1UF, 50V	
C1098	ECJ2XF1H104Z	C 0.1UF, Z, 50V	
C1099	ECA1HM100	E 10UF, 50V	
C2001	EEVHB0J470	E 47UF, 6.3V	
C2002	EEVHB0J470	E 47UF, 6.3V	
C2003	EEVHB0J470	E 47UF, 6.3V	
C2004	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2005	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2006	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2007	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2008	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2009	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2011	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2012	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2013	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2014	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2015	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2016	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2017	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2018	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2019	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2020	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2021	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2022	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2023	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2024	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2025	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2026	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2027	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2028	EEVHB0J101	E 100UF, 6.3V	EEVHB0J101P
C2029	EEVHB0J221U	E 220UF, 6.3V	
C2030	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2031	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2032	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2033	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2034	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2035	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2036	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2037	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2038	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2039	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2040	EEVHB0G101	E 100UF, 4V	
C2041	EEVHB0G221P	E 220UF, 4V	
C2042	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2051	ECJ1XC1H220J	C 22PF, J, 50V	
C2052	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2053	ECJ1XC1H220J	C 22PF, J, 50V	
C2082	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2083	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2084	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2085	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2086	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2087	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2088	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2089	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2090	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2091	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2092	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2093	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2094	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2095	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2098	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2099	ECJ1XF1C104Z	C 0.1UF, Z, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C2100	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2101	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2102	EEFUD0J101R	CAPACITOR	
C2103	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2104	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2105	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2106	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2107	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2108	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2109	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2110	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2111	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2112	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2113	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2114	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2115	EEVHB0J470	E 47UF, 6.3V	
C2116	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2117	EEVHB0J470	E 47UF, 6.3V	
C2118	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2119	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2120	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2121	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2122	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2123	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2124	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2125	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2126	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2127	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2128	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2129	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2159	EEVHB0G221P	E 220UF, 4V	
C2160	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2172	EEVHB0G221P	E 220UF, 4V	
C2173	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2242	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2243	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2244	ECJ1XC1H471J	C 470PF, J, 50V	
C2245	ECUX1H120JCV	C 12PF, 50V	
C2246	ECUX1H120JCV	C 12PF, 50V	
C2247	EEVHB0J101	E 100UF, 6.3V	EEVHB0J101P
C2248	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2249	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2250	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2251	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2252	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2253	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2254	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2255	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2256	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2257	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2259	EEVHB0G101	E 100UF, 4V	
C2260	EEVHB0G101	E 100UF, 4V	
C2261	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2263	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2264	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2265	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2266	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2267	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2268	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2269	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2270	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2271	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2272	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2273	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2275	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2276	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2277	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2279	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2280	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2281	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2282	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2283	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2284	ECJ1XF1C104Z	C 0.1UF, Z, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C2285	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2286	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2287	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2288	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2289	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2290	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2291	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2292	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2293	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2294	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2295	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2296	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2297	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2298	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2299	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2301	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2302	EEVHB0J101	E 100UF, 6.3V	EEVHB0J101P
C2303	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2304	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2308	EEVHB0J221U	E 220UF, 6.3V	
C2309	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2310	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2311	EEVHB0J101	E 100UF, 6.3V	EEVHB0J101P
C2312	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2314	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2315	EEVHB0G221P	E 220UF, 4V	
C2316	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2317	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2318	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2319	EEVHB0G221P	E 220UF, 4V	
C2320	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2321	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2322	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2323	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2324	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2325	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2326	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2327	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2328	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2331	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2332	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2333	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2334	EEVHB0J101	E 100UF, 6.3V	EEVHB0J101P
C2335	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2337	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2338	ECJ1XC1H471J	C 470PF, J, 50V	
C2339	ECJ2XF1C105Z	C 1UF, Z, 16V	
C2340	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2341	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2342	ECJ1XC1H680J	C 68PF, J, 50V	
C2600	EEVHB1C470	E 47UF, 16V	
C2601	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2602	EEVHB0J101	E 100UF, 6.3V	EEVHB0J101P
C2603	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2604	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2605	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2606	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2607	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2608	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2609	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2610	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2611	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2612	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2613	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2614	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2615	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2616	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2618	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2619	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2620	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2621	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2622	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2623	ECJ1XF1C104Z	C 0.1UF, Z, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C2624	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2625	ECJ3XF1C475Z	C 4.7UF, Z, 16V	
C2626	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2627	ECJ1XC1H101J	C 100PF, J, 50V	
C2628	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2629	EEVHB0J470	E 47UF, 6.3V	
C2630	ECJ1XC1H101J	C 100PF, J, 50V	
C2631	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2632	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2633	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2634	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2636	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2637	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2638	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2640	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2642	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2643	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2644	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2645	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2646	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2647	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2649	EEVHB0J470	E 47UF, 6.3V	
C2651	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2652	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2653	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2654	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2655	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2656	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2657	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2658	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2659	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2660	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2661	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2662	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2663	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2664	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2665	ECJ2XC1H471J	C 470PF, J, 50V	
C2666	ECJ2XC1H471J	C 470PF, J, 50V	
C2667	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2668	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2669	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2670	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2671	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2672	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2673	EEVHB0J470	E 47UF, 6.3V	
C2674	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2676	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2677	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2678	ECJ2XF1C105Z	C 1UF, Z, 16V	
C2679	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2680	ECJ1XC1H101J	C 100PF, J, 50V	
C2681	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2682	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2683	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2684	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2685	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2687	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2689	ECJ2XF1C105Z	C 1UF, Z, 16V	
C2690	ECJ2XF1C105Z	C 1UF, Z, 16V	
C2691	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2692	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2693	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2694	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2695	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2696	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2697	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2698	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2699	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2700	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2701	ECJ2XF1C105Z	C 1UF, Z, 16V	
C2702	ECJ2XF1C105Z	C 1UF, Z, 16V	
C2703	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2704	EEVHB1C470	E 47UF, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C2706	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2707	ECJ2XF1C105Z	C 1UF, Z, 16V	
C2708	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2709	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2710	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2711	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2712	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2713	ECJ1XC1H150J	C 150PF, 50V	
C2714	ECJ1XC1H150J	C 150PF, 50V	
C2715	EEVHB0G221P	E 220UF, 4V	
C2716	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2717	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2718	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2719	ECJ1XC1H150J	C 150PF, 50V	
C2720	ECJ1XC1H150J	C 150PF, 50V	
C2721	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2722	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2723	EEVHB0J470	E 47UF, 6.3V	
C2724	EEVHB0J470	E 47UF, 6.3V	
C2725	EEVHB1C470	E 47UF, 16V	
C2726	ECJ2XF1C105Z	C 1UF, Z, 16V	
C2727	ECJ2XF1C105Z	C 1UF, Z, 16V	
C2729	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2730	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2731	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2732	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2733	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2734	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2735	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2736	EEVHB0G221P	E 220UF, 4V	
C2737	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2738	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2739	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2740	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2741	ECJ2XF1C105Z	C 1UF, Z, 16V	
C2746	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2747	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2748	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2749	ECJ1XF1C104Z	C 0.1UF, Z, 16V	
C2750	ECJ1XC1H150J	C 150PF, 50V	
C2751	ECJ1XC1H150J	C 150PF, 50V	
C2752	ECUX1H120JCV	C 12PF, 50V	
C2753	ECUX1H120JCV	C 12PF, 50V	
C3001	ECJ1XB0J105K	C 1UF, Z, 6.3V	
C3002	ECA1AHG102	E 1000PF, 10V	
C3003	ECA1HEN4R7	E 4.7UF, 50V	
C3004	ECA1HEN4R7	E 4.7UF, 50V	
C3005	ECA1HEN4R7	E 4.7UF, 50V	
C3006	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3007	ECJ1XB0J105K	C 1UF, Z, 6.3V	
C3008	ECJ1XB1H103K	C 0.01UF, K, 50V	
C3009	ECJ1XB1H103K	C 0.01UF, K, 50V	
C3010	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3011	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3012	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3013	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3014	ECA1EHG101	E 100UF, 25V	
C3015	ECA1EHG101	E 100UF, 25V	
C3016	ECA1HEN010	E 1UF, 50V	
C3017	ECA1EHG101	E 100UF, 25V	
C3018	ECA1EHG101	E 100UF, 25V	
C3019	ECJ1XC1H180J	C 180PF, J, 50V	
C3020	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3021	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3022	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3023	ECJ1XC1H150J	C 150PF, 50V	
C3024	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3025	ECA1EHG101	E 100UF, 25V	
C3026	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3027	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3028	ECA1EHG101	E 100UF, 25V	
C3029	ECJ1XC1H471J	C 470PF, J, 50V	
C3030	ECJ1XB0J105K	C 1UF, Z, 6.3V	

Ref. No.	Part No.	Part Name & Description	Remarks
C3031	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3032	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3033	ECJ1XB0J105K	C 1UF, Z, 6.3V	
C3034	ECA1EHG101	E 100UF, 25V	
C3035	ECJ1XF1A105Z	C 100UF, 10V	
C3036	ECJ1XB0J105K	C 1UF, Z, 6.3V	
C3037	ECJ1XB0J105K	C 1UF, Z, 6.3V	
C3038	ECJ1XB0J105K	C 1UF, Z, 6.3V	
C3039	ECJ1XB0J105K	C 1UF, Z, 6.3V	
C3040	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3041	ECA1EHG101	E 100UF, 25V	
C3042	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3043	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3044	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3045	ECJ1XB0J105K	C 1UF, Z, 6.3V	
C3046	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3047	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3048	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3049	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3050	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3051	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3052	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3053	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3054	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3055	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3056	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3057	ECJ1XB1H472K	C 4700PF, K, 50V	
C3058	ECJ3XF1C475Z	C 4.7UF, Z, 16V	
C3059	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3060	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3061	ECA1EHG101	E 100UF, 25V	
C3062	ECJ1XB1H103K	C 0.01UF, K, 50V	
C3063	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3064	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3065	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3066	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3067	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3068	ECA1EHG101	E 100UF, 25V	
C3069	ECJ1XC1H330J	C 33PF, J, 50V	
C3070	ECA1EHG101	E 100UF, 25V	
C3071	ECJ1XF1A105Z	C 100UF, 10V	
C3072	ECJ1XF1A105Z	C 100UF, 10V	
C3073	ECJ1XC1H101J	C 100PF, J, 50V	
C3074	ECJ1XF1A105Z	C 100UF, 10V	
C3075	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3076	ECJ1XC1H680J	C 68PF, J, 50V	
C3077	ECA1EHG101	E 100UF, 25V	
C3078	ECJ1XC1H330J	C 33PF, J, 50V	
C3079	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3080	ECA1EHG101	E 100UF, 25V	
C3083	ECJ1XB1H103K	C 0.01UF, K, 50V	
C3084	ECA1EEN470	E 47 UF, 25V	
C3085	ECJ1XB1H103K	C 0.01UF, K, 50V	
C3086	ECA1EEN470	E 47 UF, 25V	
C3087	ECJ1XB1H103K	C 0.01UF, K, 50V	
C3088	ECA1EEN470	E 47 UF, 25V	
C3095	ECJ1XB1H103K	C 0.01UF, K, 50V	
C3096	ECA1EEN470	E 47 UF, 25V	
C3097	ECJ1XB1H103K	C 0.01UF, K, 50V	
C3098	ECA1EEN470	E 47 UF, 25V	
C3102	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3103	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3104	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3105	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3106	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3107	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3115	ECJ1XB1H103K	C 0.01UF, K, 50V	
C3116	ECA1EEN470	E 47 UF, 25V	
C3117	ECJ1XB1H103K	C 0.01UF, K, 50V	
C3118	ECA1EEN470	E 47 UF, 25V	
C3119	ECA1EEN470	E 47 UF, 25V	
C3123	ECJ1XB1H103K	C 0.01UF, K, 50V	
C3124	ECA1EEN470	E 47 UF, 25V	

Ref. No.	Part No.	Part Name & Description	Remarks
C3126	ECA1EEN470	E 47 UF, 25V	
C3127	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3128	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3129	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3130	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3131	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3132	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3133	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3134	ECA1EHG101	E 100UF, 25V	
C3135	ECA1EHG101	E 100UF, 25V	
C3136	ECA1EHG101	E 100UF, 25V	
C3137	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3138	ECA1EHG101	E 100UF, 25V	
C3139	ECA1EHG101	E 100UF, 25V	
C3140	ECA1EHG101	E 100UF, 25V	
C3141	ECJ3XB1C105K	C 1UF, K, 16V	
C3142	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3143	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3144	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3145	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3146	ECJ1XB1H103K	C 0.01UF, K, 50V	
C3147	ECJ1XF1A105Z	C 100UF, 10V	
C3148	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3149	ECA1EHG101	E 100UF, 25V	
C3150	ECA1EEN100	E 10UF, 25V	
C3151	ECJ1XB1H103K	C 0.01UF, K, 50V	
C3152	ECA1EEN470	E 47 UF, 25V	
C3153	ECJ1XC1H471J	C 470PF, J, 50V	
C3154	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3155	ECJ1XC1H470J	C 47PF, J, 50V	
C3156	ECA1EHG101	E 100UF, 25V	
C3157	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3158	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3159	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3160	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3161	ECJ1XB1C473K	C0.047UF, K, 16V	
C3162	ECJ1XB1C473K	C0.047UF, K, 16V	
C3163	ECJ1XB1H102K	C 1000PF, K, 50V	
C3164	ECJ1XB1C473K	C0.047UF, K, 16V	
C3165	ECJ1XB1H102K	C 1000PF, K, 50V	
C3166	ECJ1XB1C473K	C0.047UF, K, 16V	
C3167	ECJ1XB1C473K	C0.047UF, K, 16V	
C3168	ECJ1XB1C473K	C0.047UF, K, 16V	
C3169	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3170	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3171	ECA1EHG101	E 100UF, 25V	
C3172	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3173	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3174	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3175	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3176	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3177	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3178	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3179	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3180	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3181	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3182	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3183	ECJ1XF1A105Z	C 100UF, 10V	
C3184	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3185	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3186	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3187	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3188	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3189	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3190	ECA1EHG101	E 100UF, 25V	
C3191	ECJ1XB1E393K	C 39K PF, K, 25V	
C3192	ECUX1H392KBV	C 3900PF, K, 50V	
C3193	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3194	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3195	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3196	ECA1HEN4R7	E 4.7UF, 50V	
C3197	ECJ1XB1H103K	C 0.01UF, K, 50V	
C3198	ECA1HEN4R7	E 4.7UF, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C3199	ECJ1XB1H472K	C 4700PF, K, 50V	
C3200	ECJ3XB1C105K	C 1UF, K, 16V	
C3201	ECJ3XB1C105K	C 1UF, K, 16V	
C3202	ECJ3XB1C105K	C 1UF, K, 16V	
C3204	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3205	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3206	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3207	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3208	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3209	ECA1EHG101	E 100UF, 25V	
C3210	ECJ1XC1H391J	C 390PF, J, 50V	
C3211	ECA1EHG101	E 100UF, 25V	
C3212	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3213	ECJ1XC1H471J	C 470PF, J, 50V	
C3214	ECJ1XC1H102J	C 1000PF, J, 50V	
C3215	ECJ1XF1A105Z	C 100UF, 10V	
C3217	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3218	ECJ1XC1H471J	C 470PF, J, 50V	
C3219	ECA1EHG101	E 100UF, 25V	
C3220	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3221	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3225	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3226	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3227	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3228	ECA1EHG101	E 100UF, 25V	
C3229	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3230	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3231	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3232	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3233	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3235	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3237	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3238	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3239	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3241	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3242	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3243	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3245	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3246	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3247	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3248	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3250	ECJ1XB0J105K	C 1UF, Z, 6.3V	
C3251	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3254	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3255	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3256	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3257	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3258	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3259	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3260	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3261	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3262	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3263	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3264	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3265	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3266	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3267	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3268	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3269	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3270	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3271	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3272	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3273	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3274	ECA1EHG101	E 100UF, 25V	
C3275	ECJ1XF1A105Z	C 100UF, 10V	
C3276	ECA1EHG101	E 100UF, 25V	
C3278	ECA1EHG101	E 100UF, 25V	
C3280	ECA1EHG101	E 100UF, 25V	
C3281	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3283	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3285	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3286	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3288	ECJ1XF1E104Z	C 0.1UF, Z, 25V	

Ref. No.	Part No.	Part Name & Description	Remarks
C3291	ECA1EHG101	E 100UF, 25V	
C3293	ECA1EHG101	E 100UF, 25V	
C3296	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3297	ECA1EHG101	E 100UF, 25V	
C3298	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3299	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3300	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3304	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3305	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3306	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3307	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3308	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3333	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3334	ECJ1XF1E104Z	C 0.1UF, Z, 25V	
C3335	ECA1EHG101	E 100UF, 25V	
C9001	ECQU2A225MLA	P 2.2UF, M, 250V	△
C9002	ECQU2A105MLA	P 1UF, M, 250V	△
C9003	ECKCNA222MEB	C 2200PF, M,	△
C9004	ECKCNA222MEB	C 2200PF, M,	△
C9005	ECQU2A225MLA	P 2.2UF, M, 250V	△
C9006	ECKCNA222MEB	C 2200PF, M,	△
C9007	ECKCNA222MEB	C 2200PF, M,	△
C9901	ECJ2XF1C104Z	C 0.1UD, Z, 16V	
C9902	ECJ2XC1H101J	C 100PF, J, 50V	
C9903	EEVHB0J470	E 47UF, 6.3V	
C9904	ECJ2XF1C104Z	C 0.1UD, Z, 16V	
C9951	ECJ2XC1H101J	C 100PF, J, 50V	
C9952	ECJ2XC1H101J	C 100PF, J, 50V	
C9953	ECJ2XC1H101J	C 100PF, J, 50V	
C9954	ECJ2XC1H101J	C 100PF, J, 50V	
C9955	ECEA1CKA101	E 100UF, 16V	
C9956	ECJ2XF1C104Z	C 0.1UD, Z, 16V	
[OTHERS]			
A1	K1KAA0A00088	100P CONNECTOR	
A2	K1KA80A00080	80P CONNECTOR	
A3	K1KA06A00189	6P CONNECTOR	
A6	K1MN20B00062	20P CONNECTOR	
A9	K1KA09A00156	9P CONNECTOR	
A10	K1KA09A00156	9P CONNECTOR	
A11	K1KA09A00156	9P CONNECTOR	
A12	TJS3A8580	10P CONNECTOR	K1KA10B00148
A14	K1KA06A00189	6P CONNECTOR	
A20	TJSF43810A	10P CONNECTOR	K1KA10A00225
A23	K1KA02A00385	2P CONNECTOR	
A24	TJSF33702A	CONNECTOR	K1KA02A00193
A25	K1KA02A00385	2P CONNECTOR	
A26	K1KA07A00132	7P CONNECTOR	
A27	K1KA04A00331	4P CONNECTOR	
A29	K1KA20A00180	20P CONNECTOR	
A30	K1KA20A00180	20P CONNECTOR	
A31	K1KA20A00180	20P CONNECTOR	
A32	K1KA20A00180	20P CONNECTOR	
A34	K1KA06A00189	6P CONNECTOR	
A35	K1KA06A00189	6P CONNECTOR	
A36	K1KA04A00331	4P CONNECTOR	
A37	K1KA04A00331	4P CONNECTOR	
G1	K1KA10A00185	10P CONNECTOR	
G2	K1KA04A00250	4P CONNECTOR	
G4	K1KA03A00213	4P CONNECTOR	
G5	K1KA03A00218	3P CONNECTOR	
G6	K1KA03A00218	3P CONNECTOR	
G7	K1KA04A00242	4P CONNECTOR	
G8	K1KA12A00121	12P CONNECTOR	
G9	K1KA06A00189	6P CONNECTOR	
G11	K1KA07A00132	7P CONNECTOR	
G12	K1KA06A00207	6P CONNECTOR	
G14	K1KA07A00056	7P CONNECTOR	
G15	TJS1A8840	8P CONNECTOR	K1KA08A00221

Ref. No.	Part No.	Part Name & Description	Remarks
G16	K1KA06A00220	6P CONNECTOR	
G17	K1KA08A00267	8P CONNECTOR	
G18	K1KA04A00242	4P CONNECTOR	
G19	K1KA03A00213	3P CONNECTOR	
G20	K1KA05A00177	5P CONNECTOR	
H1	K1KA06A00207	6P CONNECTOR	
J1	K1KBA0B00011	100P CONNECTOR	
J2	K1KB80B00013	80P CONNECTOR	
J3	K1KA80A00080	80P CONNECTOR	
J4	K1KA60A00061	60P CONNECTOR	
J5	K1KBE4A00001	144P CONNECTOR	
J6	K1KA10A00221	10P CONNECTOR	
J7	K1KA06A00175	6P CONNECTOR	
K1	K1KA02A00169	2P CONNECTOR	
PA1	K1KA02A00169	2P CONNECTOR	
PA2	TJSF29203	3P CONNECTOR	K1KA03A00169
PA3	K1KA02A00244	2P CONNECTOR	
PA4	K1KA02A00244	2P CONNECTOR	
PA5	K1KA03A00181	3P CONNECTOR	
PB1	K1KA03A00181	3P CONNECTOR	
PB2	TJSF29203	3P CONNECTOR	K1KA03A00169
PB3	K1KA10A00212	10P CONNECTOR	
PB6	TJS5A9420	8P CONNECTOR	K1KB08A00054
PC1	TJS6A8170	10P CONNECTOR	K1KA10B00120
PC2	K1KA10A00185	10P CONNECTOR	
PC3	TJS1A8780	2P CONNECTOR	K1KA02A00229
PC4	K1KA10A00221	10P CONNECTOR	
PC5	K1KA11A00073	11P CONNECTOR	
PC6	K1KA10A00259	10P CONNECTOR	
PC7	K1KA10A00259	10P CONNECTOR	
PC8	K1KA10A00259	10P CONNECTOR	
PC9	TJS5A9450	8P CONNECTOR	K1KA08B00117
PC11	K1KA06A00175	6P CONNECTOR	
R1	K1KA10B00126	10P CONNECTOR	
R2	K1KA02B00053	2P CONNECTOR	
R3	BCR20H4	BATTERY HOLDER	
S1	K1KA07B00041	7P CONNECTOR	
X1	K1KB60B00018	60P CONNECTOR	
X2	K1KB80B00013	80P CONNECTOR	
F9101-1	K3GE1PB00002	FUSE HOLDER	
F9101-2	K3GE1PB00002	FUSE HOLDER	
FL701	EXCCET103U	EMI FILTER	
FL702	EXCCET103U	EMI FILTER	
FL704	EXCCET103U	EMI FILTER	
FL2001	ELKE103FA	EMI FILTER	
FL2002	ELKE103FA	EMI FILTER	
FL2003	ELKE103FA	EMI FILTER	
FL2601	EXCCET103U	EMI FILTER	
FL2610	ELKE101FA	EMI FILTER	
FL2611	ELKE101FA	EMI FILTER	
FL2612	ELKE101FA	EMI FILTER	
FL2613	ELKE101FA	EMI FILTER	
FL2614	ELKE101FA	EMI FILTER	
FL2615	ELKE101FA	EMI FILTER	
FL2616	ELKE101FA	EMI FILTER	
FL2617	ELKE101FA	EMI FILTER	
FL2618	ELKE101FA	EMI FILTER	
FL2619	ELKE101FA	EMI FILTER	
FL2620	ELKE101FA	EMI FILTER	
FL2621	ELKE101FA	EMI FILTER	
FL2624	ELKE101FA	EMI FILTER	
FL2625	ELKE101FA	EMI FILTER	
HE1	B4ABA0000009	HALL DEVICE	
JK0401	TJC6137	EARTH LUG	
JK0402	TJC6137	EARTH LUG	
JK2601	TJSF32800	WIRED IN TERMINAL	K2HC103B0095
JK2602	TJSF32800	WIRED OUT TERMINAL	K2HC103B0095

Ref. No.	Part No.	Part Name & Description	Remarks
JK2603	K1FB109B0058	REMOTE IN 1 TERMINAL	
JK2604	K1FB109B0058	RS232C/422 IN TERMINAL	
JK2605	K1FA109B0042	RS232C/422 OUT TERMINAL	
JK3001	TJSF42904	S-VIDEO IN TERMINAL	K1CB204B0004
JK3002	K1QBB2AB0013	VIDEO IN/OUT TERMINAL	
JK3003	K1QBB5AB0005	RGB IN TERMINAL	
JK3004	TJSF45015	RGB 1 IN TERMINAL	K1FB115B0058
JK9001	TJC6137	EARTH LUG	
JK9002	TJC6137	EARTH LUG	
N9001	K2AH3G000009	AC INLET	△
PA3001	UNHS20300L	IC PROTECTOR	
PA3003	UNHS20300L	IC PROTECTOR	
PA3005	UNHS20300L	IC PROTECTOR	
PA3007	UNHS20300L	IC PROTECTOR	
RL0101	K6B1AGA00084	RELAY	△
RL0402	TSEH0007	RELAY	K6B2CDA00021
RM9901	B3RAD0000009	REMOTE CONTROL RECEIVER	
RM9951	B3RAD0000009	REMOTE CONTROL RECEIVER	
S3001	ESD11V220	SWITCH	
S9001	K0ACE000013	POWER SWITCH	△
S9902	EVQPLHA15	SWITCH	
S9903	EVQPLHA15	SWITCH	
S9904	EVQPLHA15	SWITCH	
S9905	EVQPLHA15	SWITCH	
S9906	EVQPLHA15	SWITCH	
S9907	EVQPLHA15	SWITCH	
S9908	EVQPLHA15	SWITCH	
S9909	EVQPLHA15	SWITCH	
S9910	EVQPLHA15	SWITCH	
S9911	EVQPLHA15	SWITCH	
S9912	EVQPLHA15	SWITCH	
S9913	EVQPLHA15	SWITCH	
S9914	EVQPLHA15	SWITCH	
S9915	EVQPLHA15	SWITCH	
S9916	EVQPLHA15	SWITCH	
S9917	EVQPLHA15	SWITCH	
SW2601	K0D222A00033	SWITCH	
T0101	G0ZZ00002047	COIL	△
T0401	G4D4A0000057	SWITCHING TRANS	△
X701	H0J200500024	CRYSTAL	
X2002	H0J400500009	CRYSTAL	
X2004	H0J250500042	CRYSTAL	
X2601	H0J327200038	CRYSTAL	
X2602	H0J147500021	CRYSTAL	
X3001	H0J202500002	CRYSTAL	
	N0ZZ00000012	BALLAST UNIT	△
RTL	TNPA2458	CIRCUIT BOARD PA	
RTL	TNPA2459	CIRCUIT BOARD PB	
RTL	TNPA3101	CIRCUIT BOARD PC	
RTL	TNPA2464	CIRCUIT BOARD J	
RTL	TXN/A2VJU4	CIRCUIT BOARD A	
RTL	TXN/X2VJU4	CIRCUIT BOARD X	
RTL	TXN/K2VJU4	CIRCUIT BOARD K	PT-D7700U
	TXN/K2PVFZ	CIRCUIT BOARD K	PT-D7700E PT-D7700E-K
RTL	TNPA3102	CIRCUIT BOARD R	
RTL	TXN/G1VJU4	CIRCUIT BOARD G	
RTL	TNPA3103	CIRCUIT BOARD H	
RTL	TNPA3099	CIRCUIT BOARD S	
	TXN/AWPGUZ	VIDEO/S-VIDEO IN BOARD	ET-MD95VM2
	TXN/SHPBVZ	SDI(HD) IN BOARD	ET-MD95SD3
	TXN/SPPBUZ	SDI(480P) IN BOARD	ET-MD95SD2
	TXN/SSPBTZ	SDI(SD) IN BOARD	ET-MD95SD1
	TXNAZ2PLWZ	ANALOG RGB IN BOARD	ET-MD95RGB
	TXNDV2VJP3	DVI BOARD	ET-MD75DV
	TXNNT2VJP2	NETWORK BOARD	ET-MD75NT